

Collectors' Edition: Saving the Water Planet

Rodale's The Magazine Divers Trust

DECEMBER 1995 \$2.95 US \$3.50 CAN £2.25 UK

SCUBA DIVING

Guest Editor,
Jacques Cousteau

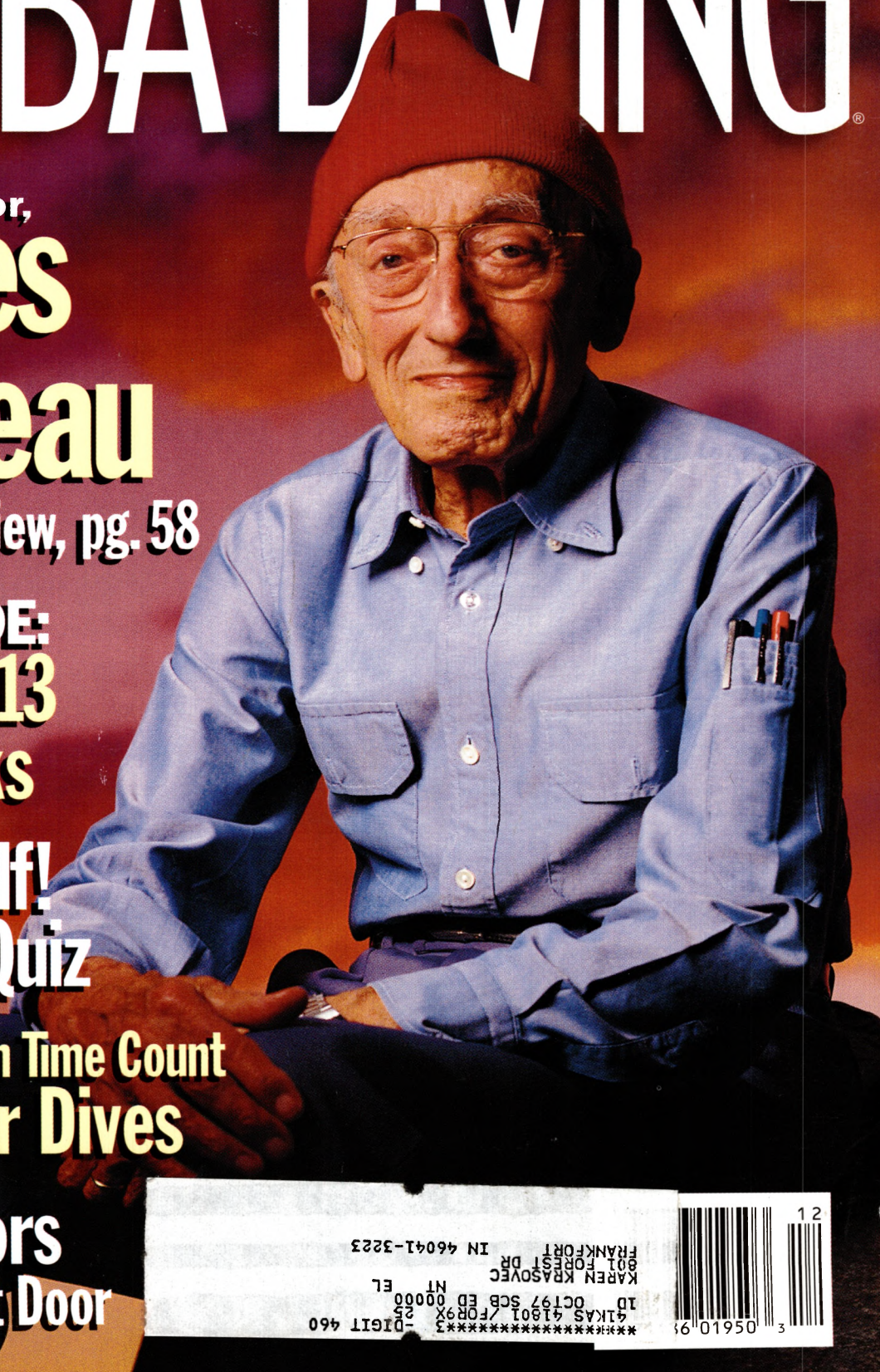
Exclusive Interview, pg. 58

DIVERS' GUIDE:
World's Top 13
Marine Parks

Rate Yourself!
Eco-Diving Quiz

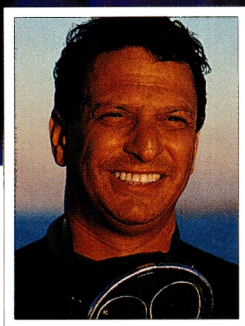
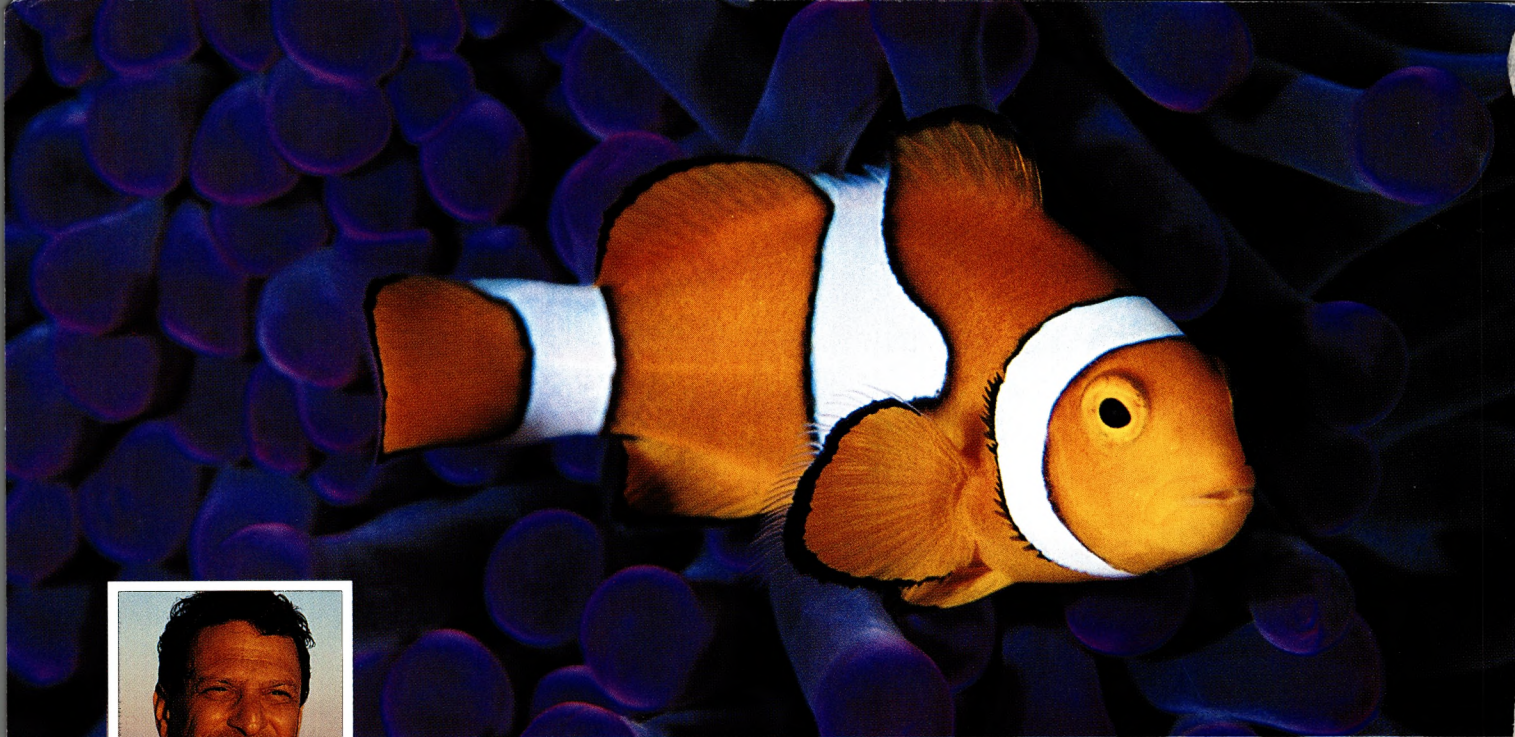
Make Your Bottom Time Count
58 Volunteer Dives

Ocean Savors
The Heroes Next Door



*****3-DIGIT 460
ID 41KAS 41801/FCR9X
ID OCT197 SCB ED 09000
KAREN KRASOVEC
FRANKFORT DR
801 FOREST
IN 46041-3223





“To an underwater photographer, time is even more precious than light.” *David Doubilet*

For nearly two decades, David Doubilet has been recognized as one of the world's most artistically ambitious underwater photographers. As elegantly composed as they are painstakingly lit, David's photographs possess the intimacy and detail of great portraiture.

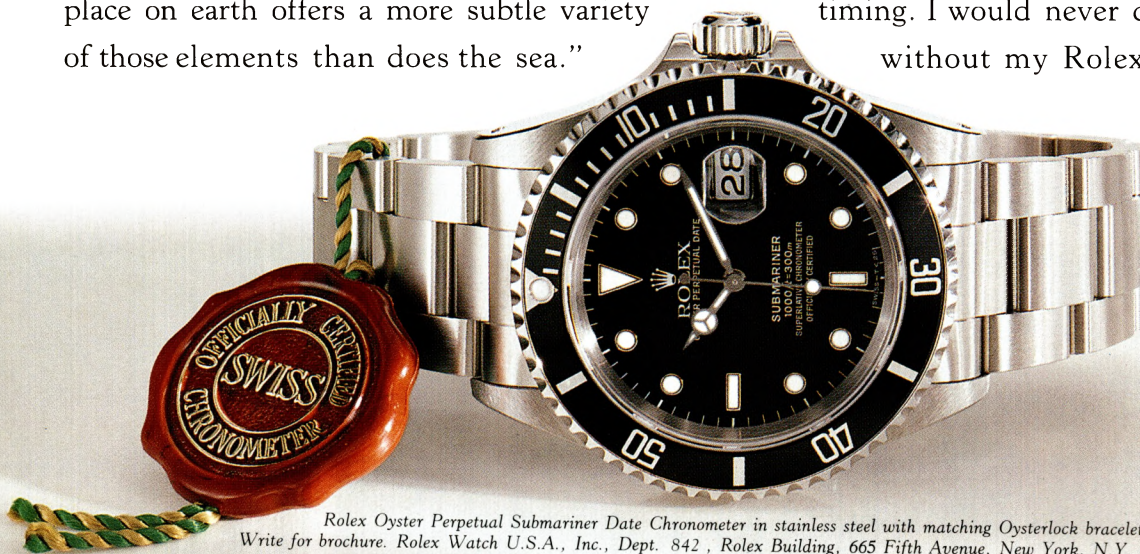
He says, “I look underwater for the same basic elements that a surface photographer does—light, color, motion, and gesture—and no place on earth offers a more subtle variety of those elements than does the sea.”

To achieve his singular effects, he and his assistants submerge themselves for hours at a stretch, taking with them as many as ten complete camera systems, spare SCUBA tanks, and computers to carefully monitor their dives.

Yet, of all his equipment, David has come to trust the reliability of his Rolex Submariner most of all. “Underwater,” Doubilet says, “your health depends on proper timing. I would never dive without my Rolex.”



ROLEX



*Rolex Oyster Perpetual Submariner Date Chronometer in stainless steel with matching Oysterlock bracelet.
Write for brochure. Rolex Watch U.S.A., Inc., Dept. 842, Rolex Building, 665 Fifth Avenue, New York, N.Y. 10022-5383.
Rolex, the crown logo, Oyster Perpetual, Submariner and Oysterlock are trademarks.*

Inside Scuba Diving

BY JACQUES-YVES COUSTEAU

PRESCRIPTION FOR A PLANET

Dear Readers of Rodale's *Scuba Diving*:

A shipwrecked sailor was struggling in the water. The shore was near, but his strength was almost spent. Suddenly there was a friendly presence in the water—a strong, sleek body that buoyed him, escorted him to shallow water and saved his life.

Stories like this have been told countless times about dolphins and porpoises. Though they seem difficult to believe, their explanations may lie in a simple trait that dolphins share with a majority of animals, including you and me, the instinct to protect the next generation. When a dolphin mother gives birth, her baby is expelled under water. Her first critical act following the birth is to lift her youngster to the surface for its first breath. So powerful is this motherly instinct that female dolphins have pushed other struggling animals, like this sailor, to the surface.

To me this urge to save life is marvelous because the successful replication of life is what makes our water planet such a rich biomass, fertile and prolific, forever generating and nurturing new organisms.

Yet do we earthlings cherish and guard this irreplaceable and miraculous treasure? To the contrary. Each month we pour millions of tons of poisonous waste into the global water system. Many of our lakes, rivers and coastal waters have received mortal wounds. The water is undrinkable; the fish and shellfish, if they exist at all, are contaminated.

I do not say these things lightly. For more than 50 years, my team and I have spent thousands of hours under water. I have seen with my own eyes how our waters have sickened. Reefs that teemed with fish only 10 years ago are now almost lifeless. The ocean bottoms have been raped by trawlers. Priceless wetlands have been destroyed by development. Everywhere, there are sticky globs of oil, plastic refuse and clouds of poisonous effluents.

Often, when I describe the symptoms of our environmental illness, I hear

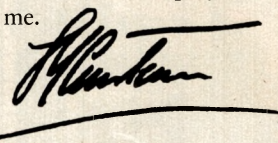
remarks like, "they're only fish" or "they're only whales" or "they're only birds." But they are much, much more, and their destinies are linked with ours in the most profound and fundamental manner. For all life is interconnected, and the great life-giving wellspring that sustains us all is the sea.

If we continue to use the sea as our global sewer, disrupting the natural processes of our biosphere, we will bring catastrophe upon ourselves. We will face a bleak future, deprived of the great resources of the sea. Yet this is only the beginning. Climatic changes will dramatically alter global temperatures which will cause melting of the polar ice caps, resulting in a significant rise in the water level of the oceans. Entire populations would be driven inland only to meet with famine, chaos and disease on a scale impossible to imagine. It is clear that disaster in the oceans means disaster for mankind.

I beg you not to dismiss these horrors as science fiction. Once we pollute this world beyond repair, there will be no place to hide. Earth is the only planet we know where life can exist. It is the rarest of phenomena: a water planet, a dynamic world water machine powered by the sun and the moon, the cradle in which life originated. The ocean is life; yet still I ask, do we

cherish and guard it?

I passionately believe that those few of us who perceive the disaster ahead must band together now to warn the slumbering many. We must work for corrective measures that can be put into effect immediately for pioneering research and exploration to help us better understand the sea and its creatures. To this crusade, I have solemnly pledged what years remain to me. As I do, I hope you will stand beside me.



You can support Capt. Cousteau's efforts by joining one of the marine protection groups listed on page 89.

JACQUES COUSTEAU
DISCUSSES HIS BILL OF
RIGHTS FOR FUTURE
GENERATIONS IN AN
EXCLUSIVE INTERVIEW
BEGINNING ON PG. 58.

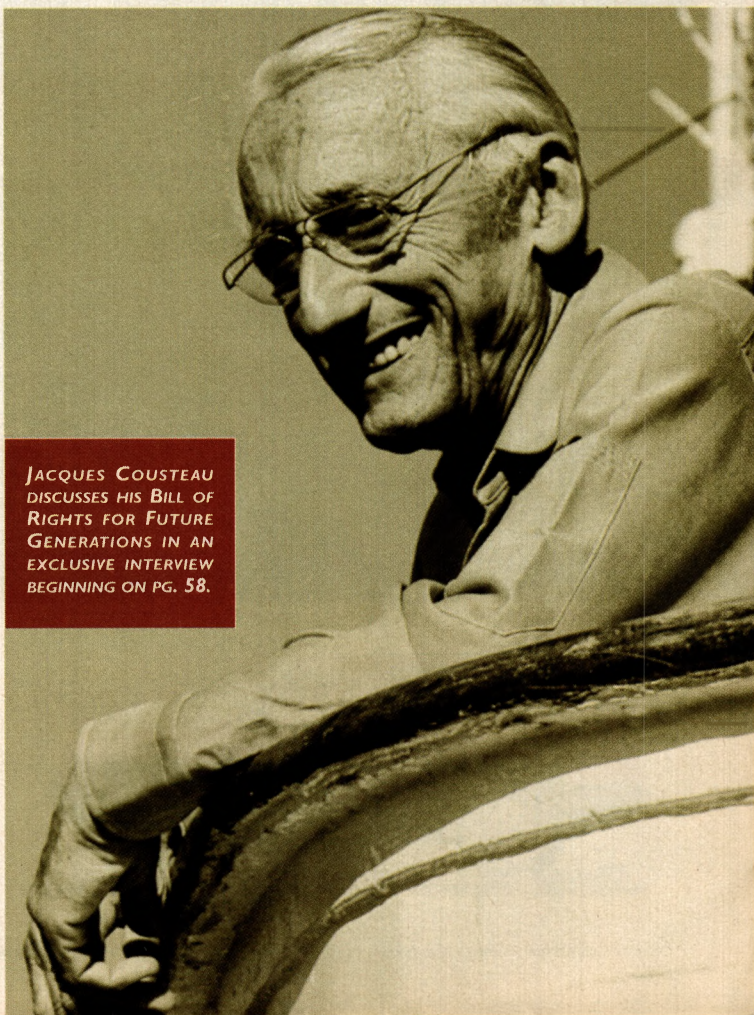


PHOTO COURTESY COUSTEAU SOCIETY/RICHARD C. MURPHY



A healthy appreciation for fun and adventure has always been a prerequisite for driving a Jeep Cherokee Sport. This year, that's more true than ever.

Beneath its classic exterior, you'll find a quieter 190 horsepower 4.0 litre I-6 engine that helps give Cherokee Sport the best horsepower-to-weight ratio in its class.*

Its available Selec-Trac® full-time four-wheel drive

*Source of Class: Automotive News, 5/95. Air bag fully effective only when used with seat belt. Jeep is a registered trademark of Chrysler Corporation.

THEY'RE ON THEIR WAY TO A JEEP TAILGATE PARTY.



system is another Jeep exclusive that gives you the traction to go just about anywhere and climb just about anything. For true adventurers, there's an optional suspension package with high-pressure gas shocks, underbody skid plates, large all-terrain tires, and a minimum running ground clearance of 10.7 inches.

For more details and the dealer nearest you, call

1-800-925-JEEP, or visit our Web site at <http://www.jeepunpaved.com>. We think you'll find Jeep Cherokee Sport to be the perfect invitation to the great outdoors.

Jeep[®]

T H E R E ' S O N L Y O N E

SCUBA DIVING®

The Magazine Divers Trust

Eco-Diving Special

- 35 WORLD'S BEST MARINE PARKS** Landlubbers have their Yellowstones and Yosemite—we have our Bonaire and Bunaken. A guide to the underwater world's sacred spaces. ~By Nick Lucey
- 44 ECO-HEROES** Who's saving our oceans? It just may be the guy or gal next door. ~By Paul Kvinta
- 49 A YEAR'S WORTH OF VOLUNTEER DIVES** Use our calendar of worthwhile dive opportunities to make your bottom time count.
- 54 GET REAL** America's most controversial environmental writer has a stunning message for us all: The sky is *not* falling. ~An essay by Gregg Easterbrook
- 58 COUSTEAU: THE INTERVIEW** In a rare conversation, RSD picks the brain of the world's first and most prolific diver. ~By David Taylor
- 86 QUIZ: ARE YOU A REEF WRECKER?** Think you're God's gift to the planet? Take our eco-quiz to see how you measure up.

Weekenders

- 21 GRAY'S REEF NATIONAL MARINE SANCTUARY** Off the Georgia coast, a calving ground for right whales is a national treasure for divers. ~By Unndór Jónsson
- 25 OLYMPIC COAST NATIONAL MARINE SANCTUARY** Life both big and small is celebrated in America's newest national marine sanctuary. ~By Brandon D. Cole

Diver's Handbook

- 89 CONSERVATION GROUPS** Making a difference in the health of the world's waterways can be as easy as writing a check. Here's who you should pay to the order of. ~By Unndór Jónsson
- 96 FIELD NOTES** Fish and reef critters are gracious hosts under water. Here's how to be a good guest. ~By Richard Martin
- 102 DIVE MEDICINE** The dive doctor fields questions about asthma, equalizing and diving after surgery. ~By Samuel Shelanski, M.D.

Cover photography by Jonathan Levine

DEPARTMENTS

INSIDE SCUBA DIVING	1
<i>Prescription for a planet.</i>	
~By Guest Editor Jacques Cousteau	
LETTERS	6
<i>Cayman Cowboys: Gunfight at the Not-So-OK corral.</i>	
SEAVIEW	11
<i>Sea turtle massacre; Keys to the future; Martians on ice.</i> ~Edited by Keith Phillips	

READER RATER CARD	17
<i>How was your last dive trip? Tell it like it is.</i>	
DAN NEWSLETTER	117
<i>Would you know what to do with a drowning diver?</i>	
FAR HORIZONS	126
<i>Catch them while they last: A look at some endangered aquatic creatures.</i>	



A RODALE PRESS PUBLICATION

Why crisscross the Caribbean to find the world's great dive destinations?

JUST COME TO THE BAHAMAS.

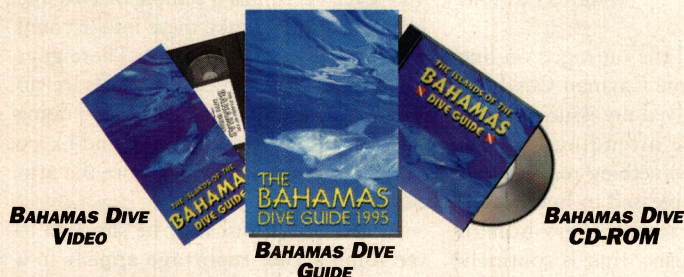


Discover our diversity: 700 islands, 2 oceans, thousands of dive sites... Starting 50 miles from Miami!

There are endless possibilities for your next dive vacation, and The Bahamas has it all. From first-class hotels, great nightlife, casinos and shopping to quaint, remote out-islands, there's something for everyone. And the diving is just as diverse, with world-class diving for divers of all experience levels. From the novice to the expert who's been all over the planet, you'll find the diversity you're looking for in The Bahamas – walls,

dolphins, wrecks, sharks, blue-holes, incredible marine life and more. We have dive operators ready to help you discover our diversity. Call 1-800-866-DIVE to receive our **FREE** 1995 BAHAMAS DIVE GUIDE, DIVE GUIDE VIDEO or CD-ROM DIVE GUIDE for your PC Computer. And remember, why crisscross the Caribbean for the world's greatest dive destinations? *Just come to The Bahamas.*

**CALL OR WRITE NOW TO RECEIVE A
FREE BAHAMAS DIVE GUIDE, DIVE
VIDEO OR CD-ROM BROCHURE!**



**FOR MORE INFORMATION CALL:
1-800-866-DIVE
OR THESE DIVE OPERATORS ➤**

ABACO	ABACO UNDERSEA ADVENTURES	800-327-8150
	BRENDAL'S DIVE SHOP	800-780-9941
	DIVE ABACO	800-247-5338
	SPANISH CAY DIVING	809-365-0083
	WALKER'S CAY UNDERSEA ADVENTURES	800-327-8150
ANDROS	SMALL HOPE BAY LODGE	800-223-6961
BIMINI	BIMINI UNDERSEA ADVENTURES	800-348-4644
CAT ISLAND	CAT ISLAND DIVE CENTER	809-342-3053
	FERNANDEZ BAY VILLAGE	800-940-1905
ELEUTHERA/HARBOUR ISLAND	ROMORA BAY CLUB	809-333-2323
	VALENTINE'S DIVE CENTER	800-383-6480
EXUMA	EXUMA FANTASEA	800-760-0700
GRAND BAHAMA/FREEPORT	THE UNDERWATER EXPLORERS SOCIETY	800-992-DIVE
	XANADU UNDERSEA ADVENTURES	800-327-8150
LONG ISLAND	STELLA MARIS RESORT	800-426-0466
NEW PROVIDENCE/NASSAU	BAHAMA DIVERS	800-398-DIVE
	CUSTOM AQUATICS	809-362-1492
	DIVE DIVE DIVE	800-368-3483
	DIVER'S HAVEN	809-393-0869
	NASSAU SCUBA CENTRE	800-327-8150
	STUART COVE'S DIVE SOUTH OCEAN	800-879-9832
	SUN DIVERS	800-298-4786
	SUNSKIFF DIVERS	800-331-5884
SAN SALVADOR	RIDING ROCK INN	800-272-1492
LIVE-ABOARD DIVE BOATS	BLACKBEARD'S CRUISES	800-327-9600
	BOTTOM TIME ADVENTURES	800-234-8464
	NEKTON DIVING CRUISES	800-899-6753
	OUT ISLAND DIVERS	800-241-4591
	SEA DRAGON	305-522-0161
	SEA FEVER DIVING CRUISES	800-443-3837
	THE DREAM TEAM	800-741-5335

SCUBA DIVING®

EXECUTIVE EDITOR David Taylor
SENIOR EDITOR Robert S. Butler
SCUBALAB DIRECTOR Jon Hardy
ASSOCIATE EDITORS Nick Lucey, Keith Phillips
ASSISTANT EDITOR Patricia Wuest
RESEARCH ASSOCIATE Unndór Jónsson
EDITORIAL ASSISTANT Belinda Triplett
FIELD EDITORS John Francis, Ventura, CA; Paul Kvinta, Austin, TX; Bucky McMahon, Shincón, Puerto Rico; Charles Seaborn, Los Altos, CA; Samuel Shelanski, New York, NY
ART DIRECTOR Janice Shay
ASSOCIATE ART DIRECTOR Geoff Stevens
CONTRIBUTORS Curtis Boggs, Cathy Church, Chris Crumley, Paul Humann, Alex Kirkbride, Mark M. Lawrence, Karen Minot, Amos Nachoum, M. Timothy O'Keefe, Doug Perrine, Steve Simonsen, Marty Snyderman, Franklin Viola

MAIN EDITORIAL & ADVERTISING OFFICE
 6600 Abercorn Street, Suite 208, Savannah, GA 31405
 (912) 351-0855, Fax: (912) 351-0735
 e-mail address: RSDmgzn@aol.com

ADVERTISING DIRECTOR Dane B. Farnum
ADVERTISING PROMOTIONS MANAGER
 Susan W. Smith

ADVERTISING ARTISTS LaTrelle Ferrelle, Ann Geisinger

PRODUCTION DIRECTOR Kevin R. Whitworth
BILLING COORDINATOR Colleen Abruzzi
VICE PRESIDENT/CIRCULATION Ed Fones
CONSUMER MARKETING DIRECTOR
 Alan Bayersdorfer

CONSUMER MARKETING ASSISTANT
 Peter Spillman

SUBSCRIPTION SERVICES MANAGER
 Michele Hancharik

CIRCULATION COORDINATOR Michele Grogg
V.P., SINGLE COPY SALES Richard Allegor
DIRECTOR, RETAIL SALES Chuck Tripp
NATIONAL MARKETING DIRECTOR Diederik Terlaak Poot

PRESIDENT/MAGAZINE DIVISION
 John Griffin

VICE PRESIDENT/ENVIRONMENTAL RECREATION
 Peter Spiers

SALES OFFICES

NEW YORK 733 Third Ave., New York, NY 10017
 (212) 697-2040, Fax: (212) 697-8715 Eric Zincenko (212) 573-0387 Sharon Fogarty, Sales Assistant
CALIFORNIA Frank J. Minishak, (415) 508-8300, Fax: (415) 508-8371, Debbie Couch, 800 Silverado #305, La Jolla, CA 92037, (619) 551-0430, Fax: (619) 551-0615, Kathy Ray, Sales Assistant

GEORGIA 6600 Abercorn St., Suite 208, Savannah, GA 31405 (912) 351-0855, Fax: (912) 351-0890 Dane B. Farnum, Advertising Director (912) 351-6233, Jan Britt (912) 351-6224, Glenn Laufer (912) 351-6227, Laura Settles & Rhonda Messex, Sales Assistants

DETROIT Dave McAfee, 2685 Lapeer Rd., Suite 103, Auburn Hills, MI 48326 (810) 373-5030, Fax: (810) 373-6841

CORPORATE OFFICE Cheryl Haughney, Rodale Press Inc., 33 E. Minor St., Emmaus, PA 18098 (610) 967-8211, Fax: (610) 967-8963

Rodale's Scuba Diving (ISSN 1060-9563) is published monthly, except February, October and December by Rodale Press, Inc., 33 E. Minor St., Emmaus, PA 18098. Second-class postage paid at Emmaus, PA, and additional mailing offices. **POSTMASTER:** Send address changes to Rodale's Scuba Diving magazine, P.O. Box 7589, Red Oak, IA 51591-0589. Subscription rate for 1 year (9 issues): United States, \$14.97; Canada, \$19.97 Canadian funds, includes GST #R122988611; all other foreign, \$24.97 U.S. funds prepaid. ©1995 by Rodale Press, Inc., J.I. Rodale, Founder; Ardath Rodale, Chairman of the Board; Robert Teufel, President of Rodale Press; John Griffin, President of the Magazine Division. All rights reserved.

The contents of this publication, including diving techniques and use of diving equipment, reflect the individual experiences of the writers and are not necessarily the recommended practices of Rodale Press, Inc. and are not intended for the sole purpose of diving instruction. Individuals seeking to participate in activities described in this publication should be properly trained and/or certified for such by a qualified professional diving instructor. Diving or use of diving equipment by untrained individuals can lead to serious injury or death. Neither Rodale Press, Inc., Rodale's Scuba Diving nor its contributors shall be liable for any mishap claimed to result from use of such material.

LET US HELP YOU! If you have a problem with or question about your subscription, please call our customer service toll free at 1-800-666-0016 or e-mail (subscription questions only): scubadivdm@aol.com
 Canada Post International Publications Mail Product (Canadian Distribution) Sales Agreement No. 609862.

CAYMAN COWBOYS

Paul Kvinta's "Cayman Cowboys" article (Sept./Oct. 1995) generated not only letters, faxes, phone calls and e-mail, but readers were heating up the Internet and commercial on-line services with debate about the article. The response was good, it was bad, but it was decidedly not indifferent. Here's a sampling.

When Paul Kvinta approached me and said Rodale's Scuba Diving was interested in publishing an article about dive-masters in the Cayman Islands, I was delighted. We don't get a lot of recognition for the job we do. We have the responsibility for people's lives every day of the year. We are responsible, professional individuals who don't want to be praised for what we do. A little recognition from the rest of the recreational dive industry every now and again is always appreciated though.

Instead, your article focuses on things that, although may happen, are a very insignificant part of our profession. We work in the service industry, our clients pay our wages, we respect our clients. We also respect the government and people of the Cayman Islands for allowing us to come to their country and work. Our commitment to our clients and the people of the Cayman Islands was expressed to Mr. Kvinta for the article, but for some reason beyond my comprehension he chose to ignore this.

Your article is way off the mark. If you really wanted an inside look at a divemaster's life, you should have had a divemaster write it. Mr. Kvinta's concept is as far from the truth as you can get.

DAN HODGINS
 GRAND CAYMAN

After skimming all the outraged on-line flame-mail about the Cayman Cowboys piece, I finally received my issue at home and dove into the offending feature, expecting to find something really horrible. Instead, I was pleased to find a well-written, very interesting, very human glimpse at an industry that is routinely sanitized to utter blandness in the slick diving mags. The guys in your article may offend a vast number of hardworking divemasters out there, but they aren't very different from the ones I knew during my years in the Caribbean, and at



least they seem real and worth writing about. I'd rather have an honest look at life on a divers' island than the usual monthly PR pictures of divemasters.

KURT BUSCH
 FOSTER CITY, CALIF.

I've been to the Cayman Islands dozens of times. Our dive store has sent thousands of people to the Cayman Islands over the last 20 years. I've never encountered or heard of the behavior described at the beginning of "Cowboys." If anything, Grand Cayman is rather dignified. We certainly consider it to be a family-oriented destination. If journalists were allowed to use innuendo as the basis of articles, such stories could probably be written about any diving destination or any location, anywhere.

We will continue to promote the Cayman Islands as a wholesome and world-class diving destination.

JOHN WALL, PRESIDENT
 THE DIVE SHOP
 FAIRFAX, VA.

Sure, [the article] shows a side of scuba that is not the most attractive and, yes, the divemasters in question do not seem to be the best representatives of their sport, but one thing I do know is that I am tired of the kid-glove treatment of dive resorts, products and personalities that most scuba mags give us. Almost without exception I get to read the same sort of reviews of equipment, resorts or schools in almost every article. Most scuba mags aren't real magazines, they're trade publications. They love the gear, they love the guys and gals and on and on. So I applaud RSD for doing something a bit different.

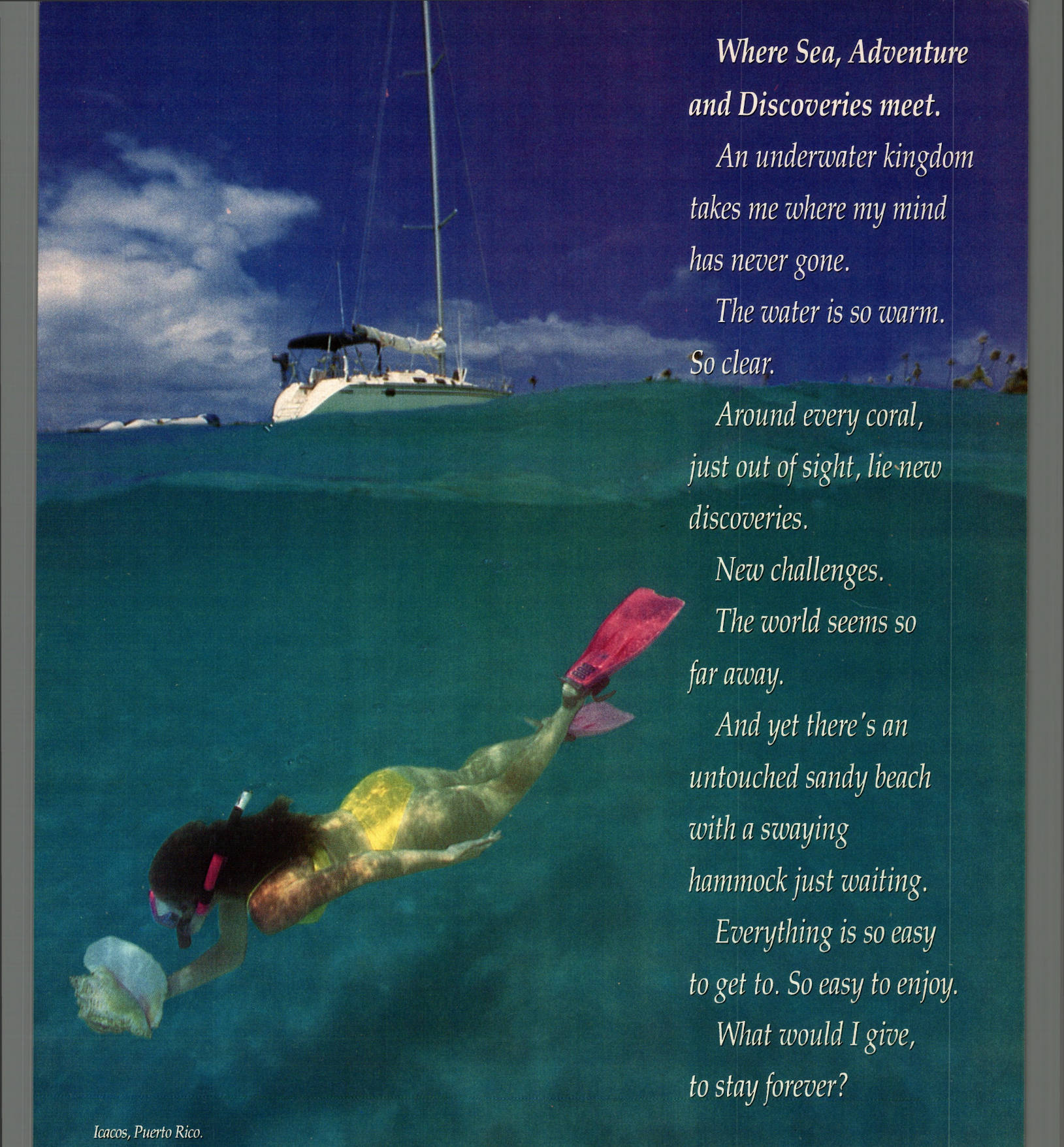
Every hero has a pimple or two and I think it's fine to take these into account when we learn about them. These guys have a lot of pimples, and they're no heroes! Outside magazine has been doing this type of reporting for years and I keep those periodicals. Why? Because the articles are so damn good!

I think you just may be shocked to see some actual reportage appear in a dive mag!

JOEL MARKWELL
 ATLANTA, GA.

I was truly appalled by your cover story of the less-than-admirable exploits of



A composite image showing a sailboat on the surface and a diver underwater. The top half shows a sailboat with a white hull and a dark mast, sailing on a blue sea under a blue sky with white clouds. The bottom half shows a diver in a yellow wetsuit and red fins, swimming underwater in clear blue water, holding a large, light-colored shell. The diver's head is tilted down, and they are looking at the shell.

*Where Sea, Adventure
and Discoveries meet.*

*An underwater kingdom
takes me where my mind
has never gone.*

*The water is so warm.
So clear.*

*Around every coral,
just out of sight, lie new
discoveries.*

*New challenges.
The world seems so
far away.*

*And yet there's an
untouched sandy beach
with a swaying
hammock just waiting.*

*Everything is so easy
to get to. So easy to enjoy.*

*What would I give,
to stay forever?*

Icacos, Puerto Rico.

Discover what a vacation was always meant to be.

PUERTO RICO

For additional information, call your travel agent or: 1-800-866-7827

CIRCLE NO. 56 ON READER SERVICE CARD

Discover the Continent of Puerto Rico.

Right here in the U.S.A.

*Only Puerto Rico puts so many vacation
experiences within your reach.*

Anthony's Key Resort

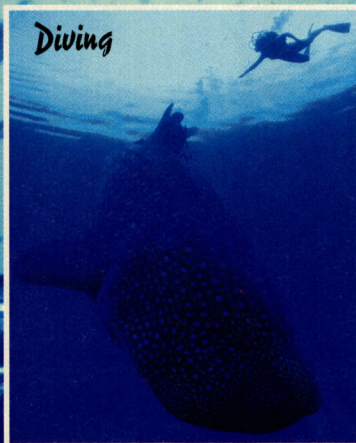
The Resort That Nature Designed

Call About Our
Fall Special

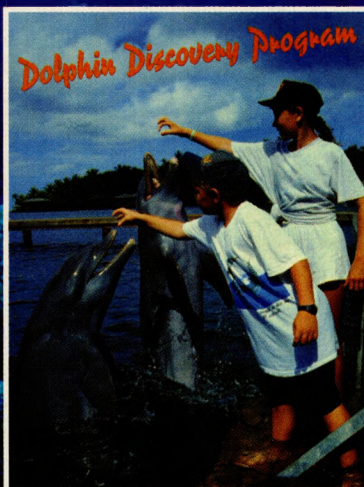


For Reservations or
Information Call:
800-227-DIVE

Diving



Dolphin Discovery Program



Bahia Tours
Central America
Scuba Diving
Eco & Adventure Travel

Call us for our Weekly Specials
1-800-443-0717 • Fax: 305-666-2292
Internet: bahia@gate.net

CIRCLE NO. 13 ON READER SERVICE CARD

"Cayman Cowboys." Let them do what they will (i.e., smoke, drink, screw whatever moves, and then try to dive), but please don't glamorize these idiots and waste space in your magazine on their juvenile behavior viewed entirely from a somewhat misguided male's perspective (i.e., the author's). Come on, guys, this is 1995, not 1965! I had come to trust that you have more class than you demonstrated by printing this article. And since I've never written a letter like this before, I am assuming that among the women and sensible men who read your nationally distributed magazine, I am not alone in my disgust. I would cancel my subscription immediately if I didn't like reading *Scuba Diving* each month and find the variety of information useful, so I'll give you one more chance. Please show some good judgment in what you print in the future and realize that a good number of your readers are women—women who purchase lots of equipment and dive travel from your advertisers.

KRISTIE BOERING
CAMBRIDGE, MASS.

I read with interest your recent article on "Cayman Cowboys" and expect that you will be targeted with carefully orchestrated furor from the sport's moral guardians. Of course, if this had been an article about the *après ski* activities of those other notorious resort employees in Aspen or Vail, I doubt if the piece would have been greeted with even an uplifted eyebrow.

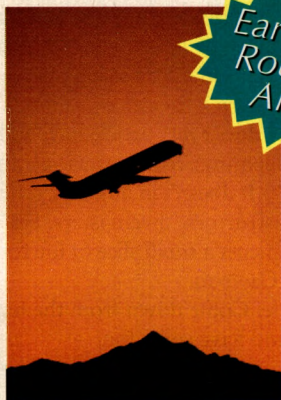
Your article was entertaining and didn't expose any behavior that isn't available for anyone to see at most Caribbean bars on a Saturday night.

Keep your corporate chin up. I'd like to think that the readers can decide for themselves what makes interesting journalism. For those self-righteous breast beaters urging readers to lynch your writer and shun your magazine, I say "lighten up, please." And go back to watching "The Waltons" and "Little House on the Prairie" if reality is too strong for you.

BRET GILLIAM, PRESIDENT
OCEAN TECH
BATH, MAINE

I am neither a prude nor a feminist. I simply found this article to be completely demeaning to the industry and profession I have dedicated my life to. This is not to say the story was inaccurate. I have visited the Caymans, and it's typical

Dive with Dacor® and fly for free.

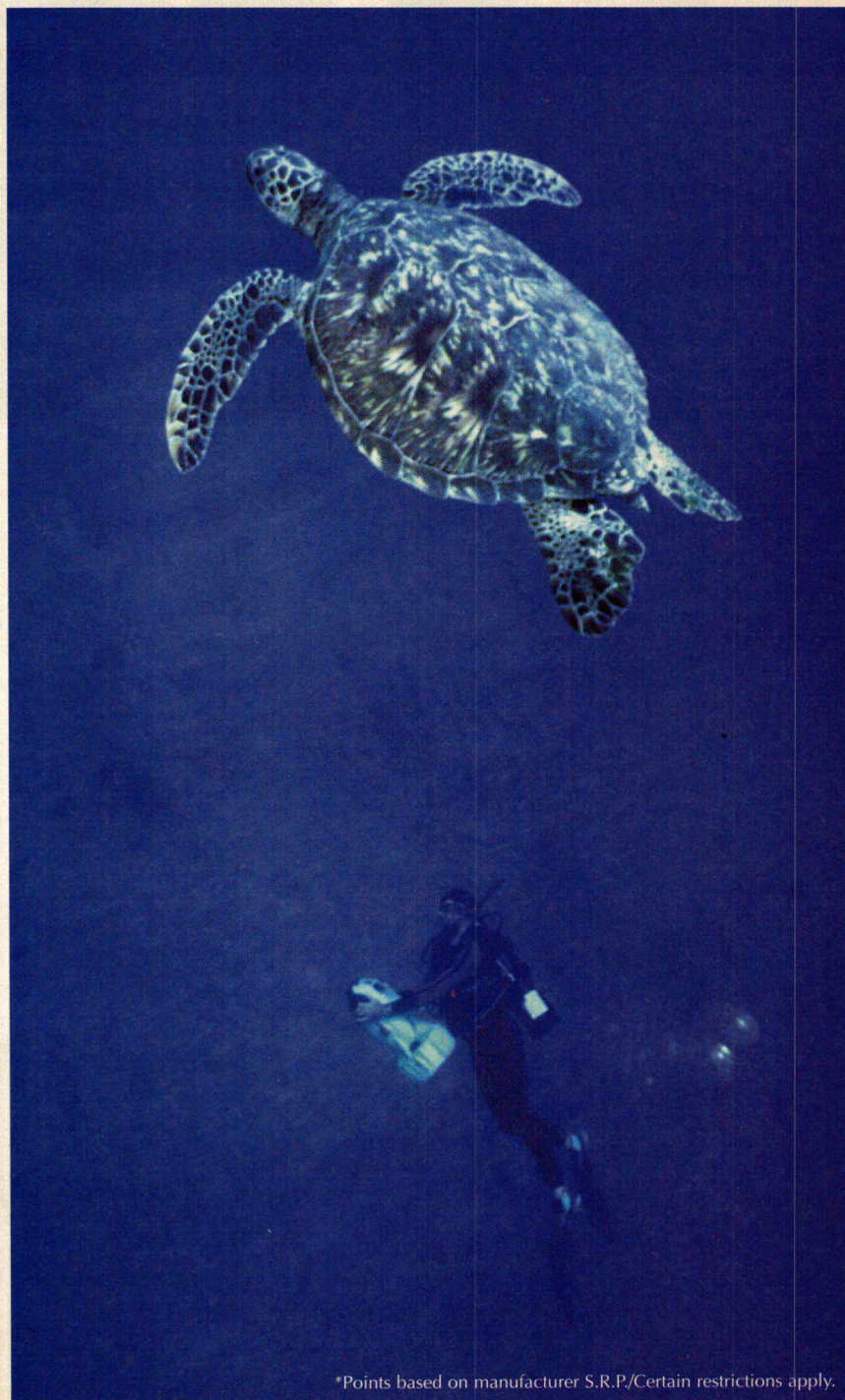


Earn 2 FREE
Round Trip
Airlines!

Join the Dacor Frequent Diver Program today.

For every dollar* you spend on Dacor dive equipment, you'll earn a point towards a Dacor Travel Award Certificate. Each certificate can be redeemed for *two free round trip airfares to your choice from over 1000 resort destinations*. Points are valid for 3 years from date of purchase, so join now and get started. It's our way of saying thank you for diving with Dacor.

See your participating
Dacor dealer for details.



*Points based on manufacturer S.R.P./Certain restrictions apply.

LEAVES THE OTHERS

WARM AND COMFORTABLE...

Or cold and miserable?
YOU DECIDE! Diving warm and comfortable means getting a DUI drysuit system. With our system you dive your favorite spots year 'round. But, make sure you've got plenty of time, 'cause with a DUI drysuit system you're going to dive for a long, long time.

THIS IS THE WAY DIVING SHOULD BE !!!



CF200X

CF200SE

COLD

WHY DRY!

Diving in cold water (60°F or below) can cause *Unjustified Fatigue*, a condition that reduces comfort and stamina with each dive. This effect can be minimized by wearing a DUI dry suit system. They provide excellent cold water protection. And you'll be more comfortable, enjoy your diving more and make a lot more dives.



IMMERSED IN COMFORT

Learn More About DUI Drysuit Systems by Calling 800-325-8439

CIRCLE NO. 79 ON READER SERVICE CARD

GIVE YOURSELF A VACATION TO DIVE FOR.



You will enjoy Plaza Las Glorias spacious junior suites with full ocean view only a short comfortable boat ride to Palancar and surrounding reefs.

For above water adventure, the Plaza Las Glorias, a 5-star resort is within walking distance of the folkloric center of San Miguel.

Aqua Safari's modern fleet will take you to Cozumel's most breathtaking depths. Experience the spectacular marine life and coral reefs, while diving with Cozumel's most professional and fully bilingual dive guides.



Plaza Las Glorias
Cozumel
Hotel & Villas

CIRCLE NO. 40 ON READER SERVICE CARD



For Reservations and Information

1-800-433-0885

Fax 1-713-735-5226

of many other destinations. What information did it provide that is useful to your readers, however? If the author attempts to claim that there was a purpose in writing this article, I can think of only one—to recruit as many horny jackasses as possible to become instructors and divemasters for all the wrong reasons. To even try to depict these guys as professional when they're in the water is sickening, considering why they're there in the first place.

GEORGE BRANDT
U.S. DIVERS
SANTA ANA, CALIF.

The Cayman article may not be a journalistic masterpiece or socially significant, but so what? I found it amusing and fun. It certainly wasn't meant to denigrate women. Why does every article have to be socially redeeming, totally serious and with "merit"? It doesn't in any way reflect poorly on instructors, divemasters, etc. It merely documents a small slice of life for a few men on Cayman.

Get a life. Come down from the high (sea)horse, and have some fun.

STEWART GIVEN
SANTA MONICA, CALIF.

Top 10 reasons Rodale's *Scuba Diving* published the Cayman Cowboys article:

10. Proves there's more to scuba diving than what DAN publishes.

9. Wanted to see if downturn in advertising revenues affects journalistic quality.

8. Had to justify the travel and expenses check for the reporter and the per diem for cover story was more than the general articles.

7. Earlier attempts to alienate women readers failed.

6. Editor not paying attention, thought it was an article on stingray round-up.

5. Wanted to start a new thread on rec.scuba.

4. The scheduled cover story was pulled and allowed the mock-up to go to press.

3. Wanted to further the cause of blond women being associated with lack of I.Q.

2. Just checking to see if we were reading.

1. Now on sale: RSD's 1996 Scuba Studs calendar.

JOANNA WOLFE
DURHAM, N.C.

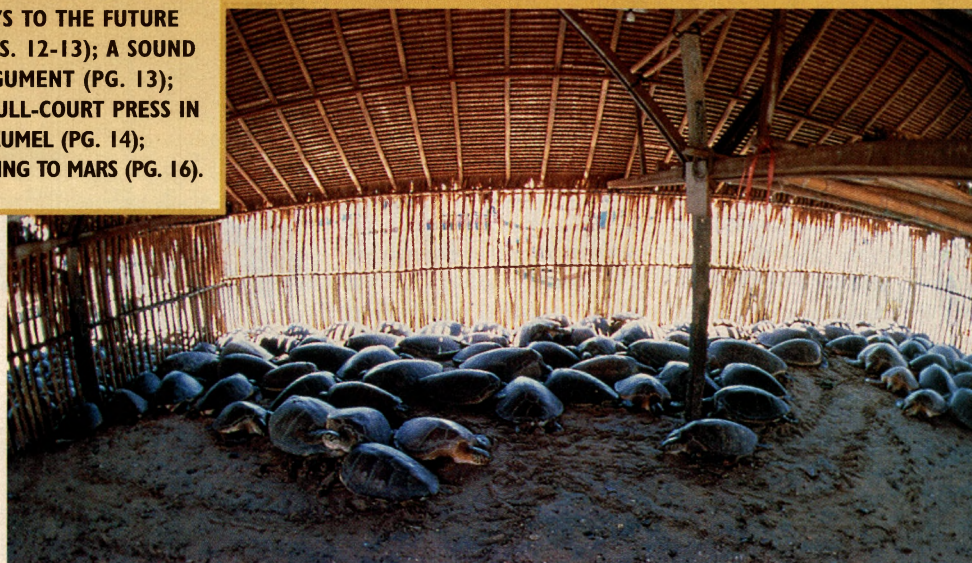
SEAVIEW

What's new, what's noteworthy under water.—EDITED BY KEITH PHILLIPS

INSIDE:

KEYS TO THE FUTURE (PGS. 12-13); A SOUND ARGUMENT (PG. 13); A FULL-COURT PRESS IN COZUMEL (PG. 14); DIVING TO MARS (PG. 16).

TURTLE MASSACRE



Live Slow, Die Fast

Despite an international treaty to outlaw trade in endangered species, the harvest of sea turtles for their meat and shells continues throughout the world.

Although the Convention in Trade of Endangered Species (CITES) was signed by 122 countries, it does not cover domestic use or legislation—a loophole that allows wholesale slaughter of sea turtles within national boundaries. One of the worst examples takes place on the island of Bali, Indonesia, where fishermen began harvesting green turtles 100 years ago. By 1950, green turtles were extinct in the island's waters and fishermen expanded their range to include Eastern Indonesia, Irian Jaya, Sumatra, Papua New Guinea and Australia—hauling in as

many as 30,000 turtles a year. Balinese harvests have dropped to about 25,000 turtles a year since 1991 but remain the largest concentrated kill of green turtles anywhere in the world.

Turtle boats cruise the Indo-Pacific, catching turtles and piling them in cargo holds without food or water for days and weeks at a time. On arrival at Bali, the turtles' hind legs and front flippers are pierced and tied together and the animals are trucked to slaughterhouses in the village of Denpasar where they are carved alive. Butchers first peel away the stomach shell to retrieve any eggs, then cut out meat for delivery to restaurants. When all usable parts of the turtle have been carved away, the turtle is killed with a knife through its heart. "As long as the heart

beats," one of the men explains, "the meat will be better conserved."

Conservation groups, including SOS Sea Turtles, The World Wildlife Fund and the Center for Marine Conservation, estimate that about 100,000 green turtles are killed each year in Indo-Pacific waters. Based on the current number of nesting turtles, the harvest is not sustainable.

In many poor countries, turtle meat is a source of protein and souvenirs made from turtle parts are an important source of income. Along the Miskito coast of Nicaragua and Honduras, an estimated 14,000 turtles are consumed

each year for food. In the Maldives, locals evade the law by scalping the shells off live turtles, then throw the animals back into the water where they languish for a few days before dying. Souvenir shops around the world carry trinkets made from turtle parts: shells cost \$5 to \$10, jewelry boxes \$20 to \$50 and eyeglass frames up to \$1,000. Small turtles are stuffed and sold for \$14 to \$25 in Fiji, Malaysia, Thailand and the Maldives.

Because turtles are migratory animals and are slow to reproduce, overharvesting by one country in a region can threaten the turtles' existence. According to Marydele Donnelly of the IUNC Marine Turtles Specialist Group, "The



CONSERVATION GROUPS ESTIMATE THAT 100,000 GREEN TURTLES ARE KILLED EACH YEAR IN INDO-PACIFIC WATERS.

protection of sea turtles is only as good as the area with the least protection."

—ARNOLD WEISZ AND
LANCE LEONHARDT

This story originally appeared in the Norwegian dive magazine Forlaget Dykking and was updated by RSD contributor Lance Leonhardt.

PHOTOS COURTESY OF SOS SEA TURTLES AND FORLAGET DYKKING

FLORIDA KEYS

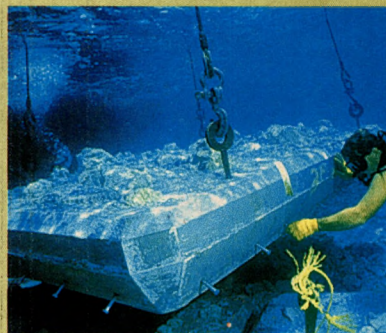
Is Everybody Happy?

What's three volumes long, two inches thick and guaranteed to start an argument among the normally easygoing residents of the Florida Keys? The draft management plan for the Florida

ing conflicts between boaters, sport and commercial fishermen, and divers. The zones include research areas off-limits to everyone, replenishment reserves off-limits to net, line and spearfishing, and sanctuary preservation areas that are

have to follow fishing and no-take prohibitions in these areas. The trade-off, promise sanctuary managers, is a healthier diving environment.

The plan and its myriad of far-reaching regulations have drawn fire from many Keys residents who don't like the idea of new regulations or the government spending \$6.6 million a year to enact them. Environmental organizations, however, support the plan as a comprehensive approach to protecting the environment from declining water quality and coral disease.



Quality of Life

Debate over the sanctuary management plan has focused unprecedented attention on the Florida Keys—both its ecology and economy—as residents and governments search for environmental policies everyone can live with. Here's an update on

ongoing environmental initiatives in the Keys.

► Water Quality

In July, Florida agreed to strengthen regulations on septic system and shallow sewage injection wells in the Keys as requested by Reef Relief. Swaying the state's decision was a study showing that cesspools, septic systems and injection wells allow waste nutri-

ents and pathogens to seep out of the limestone and into nearshore waters in as little as four hours. Also in 1995, the state issued its first citations for sewage discharge from boats in state waters. To

THE FKNMS DRAFT MANAGEMENT PLAN OUTLINES A ZONING SYSTEM DESIGNED TO PROTECT THE REEFS AND MINIMIZE CONFLICTS BETWEEN USER GROUPS.



Last Call

The National Oceanic and Atmospheric Administration will hold a series of public hearings on the plan in November and is accepting written comments through Dec. 31. All comments will be reviewed and a final plan submitted for approval in 1996 by NOAA officials and the State of Florida.

For a copy of the three-volume plan or a shorter summary, call (305) 743-2437. At press time, hearings were scheduled for: Nov. 1—Miami; Nov. 3—Key Largo; Nov. 6—Marathon; Nov. 7—Key West; Nov. 9—St. Petersburg; Nov. 14—Washington, D.C. Call Alyson Simmons at (305) 292-0311 for times and locations.

Keys National Marine Sanctuary currently being circulated for public comment through the end of the year.

The comprehensive plan for managing the aquatic resources in the 2,800-square-mile park features 10 programs, from installing mooring buoys to improving water quality, in an attempt to balance the needs of the Keys' unique ecosystem and a \$853 million tourism-based economy.

At its heart is a zoning system designed to shelter wildlife and reefs while avoid-

ing complete "no-take" zones. In all, these zones cover just over 5 percent of the sanctuary.

The good news, says Key Largo dive operator Spencer Slate, is that "divers will still be able to dive every square inch of the reefs, except for the research areas, which are tiny. They're not even a square mile and nobody would be diving them from a charter boat anyway." While divers will have complete access to replenishment and preservation zones, they will

"The key to protecting the reefs for the future is integrated management," says Project ReefKeeper director Alex Stone, "because you look at all the things that impact the reef as a whole."

The Florida Keys sanctuary plan draws fire.

PHASE ONE:
WORKERS INSTALL
ARTIFICIAL SUB-
STRATE TO REPAIR
REEFS DAMAGED BY
SHIP GROUNDINGS.

encourage compliance, the state is distributing federal grant money to build sewage pump-out stations at public marinas.

► Reef Restoration

In August, workers finished the first phase of a \$2 million reef restoration project by building new reef substrate at two sites off Key Largo. In the second phase, biologists will transplant seed corals to recolonize the areas that were reduced to rubble during two 1989 ship groundings. Costs of the experimental projects were covered by fines and penalties against the shipping companies. At press time, NOAA was negotiating similar damage fees against the University of Miami to pay for a third restoration project off Looe Key to repair dam-

age from the 1994 grounding of the university's research ship *Columbus Iselin*.

► **Everglades/Florida Bay**
The National Audubon Society is asking Congress to stop its subsidy programs for sugarcane growers in the Everglades. Sugar production is blamed for diverting freshwater flow through the Everglades and dumping excess nutrients. As a result, water flowing from the Everglades into Florida Bay and ultimately into the Keys, is hypersaline and prone to algal blooms.

Edwin Moure of the Audubon Everglades Campaign says that without federal subsidies, Everglades sugarcane production would drop by about 30 percent, freeing land that could be converted to marsh. Such a conversion program would help filter and purify water flowing through the Everglades.

Reef Donations

American Express Corporation is donating two cents to Key West-based Reef Relief for every purchase made on American Express or Optima cards in the Florida Keys through July 11, 1996. The company will donate a minimum of \$10,000 and a maximum of \$15,000 to Reef Relief, which focuses on water-quality issues.

The Nature Conservancy is seeking donations for its reef conservation programs in the Florida Keys, the Dominican Republic and Palau through its Rescue The Reef program. For a \$35 contribu-

tion, donors receive a certificate, fact

sheets on reef projects and other goodies. All contributions are split equally among the three areas. In the Keys, donations are used to run volunteer reef monitoring programs in conjunction with the Florida Keys National Marine Sanctuary. For more information, call (800) 84-ADOPT.



ATOC PROJECT

Testing, 1, 2, 3...

Rising above the din surrounding the controversial ATOC project, scientists and environmental groups struck a deal. Instead of arguing what effects the experiment *might* have on marine mammals, they agreed to put the system to a test.

The Acoustic Thermometry of Ocean Climate project, originally scheduled to start in the summer of 1994, would emit a low-frequency hum (75 hertz) at 195 decibels (about the volume of an ambulance siren) from large underwater speakers located outside Monterey Bay National Marine Sanctuary and the Hawaiian island of Kauai. Because sound travels faster in warm water than cold water, the signal can precisely measure subtle temperature changes. But environmentalists fear it will not-so-subtly disturb mating animals or deafen whales and dolphins who use echolocation to hunt. (See "Now Hear This," RSD, July 1994.)

This fall, the Scripps Institution of Oceanography in San Diego turned its ATOC project over to biologists from the University of California at Santa Cruz. With their hand on the volume knob of the world's largest stereo system, and their eyes and ears on ocean monitoring systems formerly

used to track submarines, the biologists will regulate the volume and timing of the signals while analyzing the behavior of marine mammals for signs of stress. Study director Dan Costa says scientists will also record the abundance and



distribution of baleen and toothed whales, dolphins, elephant seals and sea turtles, while watching for noise-related changes in behavior.

Besides answering specific questions about ATOC, the study may also shed light on a bigger issue—the volume of human-generated sound pollution in the oceans, says Don Kroll, a mammalogist studying blue whales at U.C.-Santa Cruz. "If low-frequency sounds are a problem for these whales, who have evolved in the naturally noisy environment of the oceans, then the tremendous amount of constant noise pollution coming from ship traffic, oil rigs and explosive devices presents a far bigger problem than the relatively quiet ATOC signal."

—LANCE LEONHARDT

HAL MAYFORTH

PARADISE REEF

A Day In Court

Opponents of a cruise ship pier being built over Cozumel's Paradise Reef are hoping for justice from both Mexican courts and the international court of

and buy time for environmental organizations in Mexico, the United States and Canada to bring international pressure on the Mexican government through the North American Free Trade Agreement.

shame the Mexican government into revoking the permits, says Alexander Stone, executive director of Project ReefKeeper. "It becomes an international embarrassment instead of a national embarrassment—it becomes a whole new source of pressure."

Central to all three NAFTA complaints will be the

sticks a small purple sponge in the sand, then swims away—his fin wake lifting the unattached sponge and sending it tumbling through the water.

Mexican officials, however, show no sign of bending on the issue. Julia Carabis Lillo, now Mexico's secretary of the environment, was head of the NIE when the agency granted permits for the pier. In July, she was quoted in a Mexican newspaper as saying the pier "is not an ecological problem" and hinted that divers were a greater threat to Cozumel's reefs.

But Horn vows to keep fighting until the very end. While the corals can recover from damage inflicted during construction, they won't survive the daily silt storms from cruise ship propellers, he says. "It's the operations of the ships that cause the most damage. It's not over until the first ship docks there."

Stop the Insanity!

RSD is helping to collect donations to defray legal costs of the Mexican lawsuit. Checks in U.S. dollars should be made payable to Paradise Reef Legal Defense Fund and mailed to: Paradise Reef Legal Fund, c/o Rodale's Scuba Diving, 6600 Abercorn St., Suite 208, Savannah, GA 31405.

Project ReefKeeper is collecting letters in opposition to the pier to use in support of its NAFTA complaint. Write to: Project ReefKeeper, Suite 162, 2809 Bird Ave., Miami, FL 33133, or call (305) 358-4600 for more information.

public opinion.

In late June, a Cozumel group called The Committee for the Protection of the Natural Resources sued the Mexican government to revoke the pier's permits. The lawsuit points out numerous flaws and inconsistencies in the permits granted by Mexican transportation officials and the National Institute of Ecology (NIE), says committee member and Cozumel dive operator Bill Horn. At press time, the Mexican government had until Sept. 15 to respond to the lawsuit before the judge considered a motion to delay construction while hearing the case.

If granted, the injunction would stop in-water construction early enough to avert the worst of the construction damage to the popular shallow reef

Under NAFTA, the three countries established the Commission for Environmental Cooperation to police environmental policies. The Mexican Center for Environmental Law is preparing a complaint to the CEC, as is Miami-based Project ReefKeeper. The committee is seeking the help of Jean-Michel Cousteau to find a Canadian organization to also file a complaint.

Although the commission cannot fine or sanction Mexico, even if it finds the country violated its own environmental laws, the bad publicity of a trilateral NAFTA complaint might

replanting effort provided to RSD shows commercial divers grabbing corals and sponges from a milk crate and haphazardly placing them in bare sand. In one instance, a diver

Bulletins

NOV. 8-12: National Association of Black Scuba Divers Sixth Annual Dive Summit, at the Radisson Resort Hotel, Grand Cayman. For more information, call (800) 521-NABS.

NOV. 10-12: NAUI North Atlantic Fall Conference, in Mystic, Conn. For registration information, call Richard S. Norton at (203) 397-3066.

NOV. 11: Gales of November. Great Lakes shipwreck history and diving program at the Radisson Duluth in Duluth, Minn., sponsored by the Lake Superior Marine Museum Association. For more information, call (218) 727-2497.

DEC. 2-3: Seahunt Dive and Travel Show, at the Houston Astro Arena in Houston. For more information, call (713) 992-3530.

JAN. 12-17: TEK '96, technical diving trade show and diving clinics in New Orleans. For more information, call (305) 294-3540.

If there's an event you would like included in Bulletins, send all relevant information at least three months in advance to: Bulletins, Rodale's Scuba Diving, 6600 Abercorn St., Suite 208, Savannah, GA 31405. Or e-mail us at RSDmgzn@aol.com.



TAGHeuer
SWISS MADE SINCE 1860

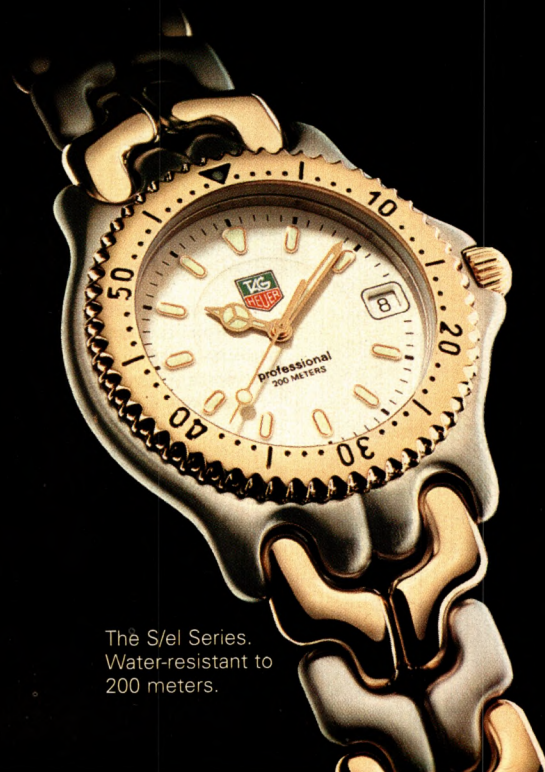


© 1995 Heuer Time & Electronics Corp.

SUCCESS.
IT'S A
MIND
GAME.

BEN BRIDGE
Locations throughout
the West Coast

MAYOR'S
Locations throughout
Florida



The S/el Series.
Water-resistant to
200 meters.

ANTARCTIC EXPLORATION

Diving for Martians

It's probably safe to assume that no one has ever dived on Mars. But biologist Robert Wharton has come close. Every year, the researcher spends time in Antarctica, melting holes through the 20-foot-thick surface ice on the continent's glacial lakes and diving into the cold, dark water in search of anything living. Eons ago, Mars also had lakes much like these, and since Wharton is discovering life in the Antarctic lakes, he and other scientists believe that life may have once existed on Mars as well.

"Mars is dry now, but its current landscape suggests it once had rivers and lakes," says Wharton, of the Desert Research Institute in Reno, Nev.

To learn more about these Martian paleolakes, Wharton is exploring several lakes in an area

cracks at the surface, the only life in this harsh region are red, purple and gold patchwork quilts of microbes (bacteria, algae, fungi, protozoa) that blanket the lake bottoms. Wharton and his colleagues, the only people ever to dive the lakes, discovered the five-inch-thick microbial mats on their first dives in 1978.

To access the lake, Whar-

ton's team spends a day melting a four-foot-diameter hole through the ice with a hot coil of copper tubing. Then a diver harnesses himself to a guide rope, penetrates through the ice and descends 30 to 100 feet into the water.

"As you go down through the ice you see these frozen

gas bubble columns and beautiful shades of blue and white," says Wharton. "Then you leave the ice and lose your frame of reference completely because it's so dark and you can't see the bottom. It's pretty eerie."

Wharton's 17 years of Antarctic study has proven at least one thing—the lakes are a sensitive indicator of the



BIOLOGIST ROBERT WHARTON DESCENDS THROUGH 20 FEET OF SURFACE ICE TO REACH THE WATER IN ONE OF ANTARCTICA'S GLACIAL LAKES.

ton's team spends a day melting a four-foot-diameter hole through the ice with a hot coil of copper tubing. Then a diver

harnesses himself to a guide rope, penetrates through the ice and descends 30 to 100 feet into the water.

warming of Earth. Over time, the surface ice has thinned, and water levels have risen. But the galactic implications of Wharton's work need time to unfold. Some day, his research may provide tips to future Mars explorers about where to look for fossils and other evidence of life on the red planet.

—PAUL KVINTA



Bonaire Video Challenge

If Kevin Costner dares to make *Waterworld II*, he'd be wise to check out the underwater filming talents of the contestants in the 1995 Bonaire Underwater Video Challenge.

The contest for amateur videographers—sponsored by RSD, Ikelite, JVC and Scubapro—was judged by a panel including noted underwater cameraman Stan Waterman.

First-place winner Aldo Thomaz Jr., of São Paulo, Brazil, received a one-week, all-expenses-paid diving vacation to Sunset Resort on Bonaire. Chris Bloodwell of Bonaire won an Ikelite Marine Video System including a JVC Super VHS-C Camcorder for second place. Jorge Kawamura of São Paulo, Brazil, won a Scubapro Classic BC and G250 regulator for third place, while Leon Kline of Alexandria, Va., won a Scubapro wetsuit for fourth. Karlista Rickerson of Vashon, Wash., took home an Ikelite Aquashot camera housing for her fifth-place video.

Congratulations to all the winners, and thanks to these participating hotels: Capt. Don's Habitat, Sand Dollar Condominiums and Beach Resort, Sunset Beach Hotel and Divi Flamingo Beach Resort.

Here's your chance to speak out about what you liked and what you didn't about your most recent dive travel experience. Every issue of *Rodale's Scuba Diving* will include this tear-out card giving you the opportunity to tell us about your last dive vacation, from the dive staff's knowledge of dive sites, to the quality of food served on a live-aboard, to the comfort of the hotel where you stayed. Your ratings will be used as part of our coverage of dive destinations. Just return this postage-paid card with your responses; your name will be kept confidential.

How to use The Rodale's Scuba Diving Number System

- 1 = POOR. Wouldn't choose this operation/hotel/destination again.
2 = BELOW AVERAGE. Only so-so. Nothing to write home about.
3 = GOOD. Got my money's worth.
4 = ABOVE AVERAGE. Stands out from most others.
5 = EXCELLENT. Diving/dive travel at its best.
NA = Not applicable

☐ Please check here if you don't want your comments forwarded to individual operators, hotels or resorts.

TELL US ABOUT YOUR LAST DIVE TRIP

TELL US ABOUT THE DESTINATION

DESTINATION (LIST SPECIFIC ISLANDS WHEN APPLICABLE, e.g., LITTLE CAYMAN)

DATE OF TRIP

1. Would you recommend this destination to a friend? ☐ Yes ☐ No
2. Was the visibility: ☐ about what you expected ☐ more than you expected
☐ less than you expected ☐ affected by bad weather
3. Currents: ☐ Strong ☐ Moderate ☐ Weak
4. Surface conditions: ☐ Challenging ☐ Moderate ☐ Mild

1 = POOR; 2 = BELOW AVERAGE; 3 = GOOD; 4 = ABOVE AVERAGE; 5 = EXCELLENT; NA = NOT APPLICABLE

- | | | | | | | |
|---|---|---|---|---|----|--|
| I | 2 | 3 | 4 | 5 | NA | Abundance of fish, quantity and variety |
| I | 2 | 3 | 4 | 5 | NA | Abundance of big animals (sharks, rays, etc.) |
| I | 2 | 3 | 4 | 5 | NA | Abundance and condition of corals, sponges and other marine life |
| I | 2 | 3 | 4 | 5 | NA | Number and quality of walls |
| I | 2 | 3 | 4 | 5 | NA | Number and quality of wrecks |
| I | 2 | 3 | 4 | 5 | NA | Availability and quality of beach diving |
| I | 2 | 3 | 4 | 5 | NA | Value for your diving dollar |
| I | 2 | 3 | 4 | 5 | | How would you rate this destination overall? |

TELL US ABOUT THE DIVE OPERATOR OR LIVE-ABOARD

NAME OF OPERATOR OR LIVE-ABOARD

STATE/PROVINCE, COUNTRY

1. Were you required to dive with a guide? ☐ Yes ☐ No
2. If not, were guides available to you upon request? ☐ Yes ☐ No
3. Was the staff "dive computer friendly"? ☐ Yes ☐ No
4. Was the staff "photography friendly"? ☐ Yes ☐ No
5. Were you on a prepaid dive package? ☐ Yes ☐ No
6. If so, how many dives were included per day? ☐ 2 tanks ☐ 3 tanks ☐ 4 tanks

1 = POOR; 2 = BELOW AVERAGE; 3 = GOOD; 4 = ABOVE AVERAGE; 5 = EXCELLENT; NA = NOT APPLICABLE

- | | | | | | | |
|---|---|---|---|---|----|--|
| I | 2 | 3 | 4 | 5 | NA | Friendliness of dive staff |
| I | 2 | 3 | 4 | 5 | NA | Staff's effort to make your dive experience enjoyable |
| I | 2 | 3 | 4 | 5 | NA | Staff's willingness to let you manage your own dive profile, within reason |
| I | 2 | 3 | 4 | 5 | NA | Staff's knowledge and selection of dive sites |
| I | 2 | 3 | 4 | 5 | NA | Thoroughness of pre-dive briefings |
| I | 2 | 3 | 4 | 5 | NA | Condition of boat(s) |
| I | 2 | 3 | 4 | 5 | NA | Space on board boat to gear up |
| I | 2 | 3 | 4 | 5 | NA | Amenities on board boat (i.e., sun deck, head, etc.) |
| I | 2 | 3 | 4 | 5 | NA | Tanks supplied fully pumped |
| I | 2 | 3 | 4 | 5 | NA | Quality and availability of rental gear |
| I | 2 | 3 | 4 | 5 | NA | Quality of dive facilities (i.e., dock, gear lockers, rinse tanks) |
| I | 2 | 3 | 4 | 5 | NA | Value for your diving dollar |
| I | 2 | 3 | 4 | 5 | | How would you rate this operator/live-aboard overall? |

Would you dive with this operator or live-aboard again? ☐ Yes ☐ No

COMMENTS (ATTACH AN EXTRA SHEET IF NECESSARY)

CONTINUED ON OTHER SIDE

NO POSTAGE
NECESSARY
IF MAILED
IN THE
UNITED STATES

BUSINESS REPLY MAIL

FIRST CLASS MAIL PERMIT NO. 949 SAVANNAH, GA

POSTAGE WILL BE PAID BY ADDRESSEE

Rodale's
SCUBA DIVING
THE MAGAZINE DIVERS TRUST

6600 ABERCORN ST., SUITE 208
SAVANNAH, GA 31405-9905



SECOND FOLD ▲ PLEASE TAPE SHUT

TELL US ABOUT THE LIVE-ABOARD BOAT

1. How would you characterize the accommodations? ☐ Primitive ☐ Simple comfort ☐ Excellent quality ☐ Superior or luxurious

2. Was this your first live-aboard trip? ☐ Yes ☐ No

1 = POOR; 2 = BELOW AVERAGE; 3 = GOOD; 4 = ABOVE AVERAGE; 5 = EXCELLENT; NA = NOT APPLICABLE

1 2 3 4 5 NA Quality of food

1 2 3 4 5 NA Toilets that flush

1 2 3 4 5 NA Air conditioning

1 2 3 4 5 NA Shade on deck

1 2 3 4 5 NA Availability of charging ports for cameras,
lights, strobes, etc.

1 2 3 4 5 NA Amount of fresh water on board

1 2 3 4 5 NA Staff's boating skills

1 2 3 4 5 NA Staff's ability to handle an emergency

1 2 3 4 5 NA Photography services

1 2 3 4 5 NA Amenities (i.e., stereo, video, private baths
showers, etc.)

1 2 3 4 5 NA Overall condition of boat

PERSONAL

YOUR NAME AND ADDRESS (OPTIONAL)

1. How many dives have you made since certification? ☐ Fewer than 50 dives ☐ 50-150 dives ☐ 150+ dives

2. How many dive trips (including this one) have you made? ☐ 1-5 ☐ 6-10 ☐ 10+

FIRST FOLD ▼

TELL US ABOUT THE HOTEL/RESORT

NAME OF HOTEL/RESORT

1. Through whom did you book this hotel/resort?

☐ Dive travel specialist ☐ Dive operator ☐ My local dive retailer ☐ Directly through hotel ☐ Travel agent

2. Would you stay here again? ☐ Yes ☐ No

3. How would you characterize the accommodations? ☐ Primitive ☐ Simple comfort ☐ Resort quality ☐ Luxury

4. Where was the dive operator located? ☐ On the property ☐ Close by ☐ Not very close by

5. If operator was not close by, was transportation to dive operator provided? ☐ Yes ☐ No

1 = POOR; 2 = BELOW AVERAGE; 3 = GOOD; 4 = ABOVE AVERAGE; 5 = EXCELLENT; NA = NOT APPLICABLE

1 2 3 4 5 NA Quality, variety and prices at on-site restaurant(s)

1 2 3 4 5 NA Helpfulness of hotel/resort staff

1 2 3 4 5 NA Friendliness of hotel/resort staff

1 2 3 4 5 NA Condition of rooms

1 2 3 4 5 NA Condition of hotel/resort property

1 2 3 4 5 NA Spaciousness of rooms

1 2 3 4 5 NA Quality of amenities (i.e., pool, sun deck)

1 2 3 4 5 NA Ease of check-in/check-out

1 2 3 4 5 NA Value for your diving dollar

1 2 3 4 5 NA How would you rate this hotel/resort overall?

Wild Things

Tucked in a corner of the western Caribbean are the incredible Bay Islands of Honduras – emerald islands rising from a turquoise sea. Just offshore are stunning coral gardens and a continuous range of undersea mountains. Here divers will find an amazing display of marine life, more than 60 species of stony corals and the widest selection of sponges imaginable.



And there is more to marvel on the Honduras mainland. Imagine a country that can offer you an ancient Maya city like Copan, charming colonial architecture, a sprawling Spanish fort, arts and crafts markets, botanical gardens, jungle treks and white water rafting tours with a system of national parks that protects rain and cloud forests and provides unforgettable wilderness vistas for photographers and adventurers...all in one...

Call your travel expert today.



Roatan, Guanaja, Utila, Barbareta, Morat, and the Cochinos Isles

HONDURAS

More than you ever imagined!

CIRCLE NO. 15 ON READER SERVICE CARD

©1995 Rick Frhsee for the Honduras Institute of Tourism



The "Hands-Free" Personal Underwater Propulsion Unit

Powerfin® provides recreational, commercial, and handicapped divers with a safe and convenient way to extend dive range. This self-contained, battery-powered propulsion unit speeds divers in excess of three knots. Hands-free operation, variable speed control and rechargeable battery packs make Powerfin® the most user-friendly gear a diver can own.

Call or write for a color brochure and video.

VANMAR

P.O. Box 77, Santa Ynez, CA 93460
800-291-4376, 805-688-8115
Fax 805-686-4560

POWERFIN®

CIRCLE NO. 84 ON READER SERVICE CARD

SAN PEDRO AMBERGRIS CAYE DIVE BELIZE



DIVE AND TRAVEL VACATION

NOVEMBER 15, 1995 - APRIL 30, 1996

ROUND TRIP-TACA AIRLINES
(FROM HOUSTON, NEW ORLEANS, MIAMI)

1 NIGHT-BELIZE CITY
(RADISSON FT. GEORGE HOTEL)

2 NIGHTS-IN THE MOUNTAINS
RIDGE PINE LODGE
2 DAYS-CAR RENTAL

ROUND TRIP-TROPIC AIR
(TO SAN PEDRO, AMBERGRIS CAYE)
4 NIGHTS-SAN PEDRO HOLIDAY HOTEL
3 DAYS DIVING-BOTTOM TIME DIVE
\$998.00 PER PERSON
(DOUBLE OCCUPANCY)

WE CAN CUSTOMIZE ANY TRIP TO BELIZE

DIVE THE BLUE HOLE
SNORKEL TRIPS

EXPLORE MAYAN RUINS
RAIN FOREST AND JUNGLE EXPEDITIONS
EXOTIC ISLAND & JUNGLE RESORTS
FISHING • SAILING • WINDSURFING

CALL US FOR A QUOTE
ON YOUR SPECIAL TRIP TO BELIZE

BZ TRAVEL SERVICES

1-800-382-7776

CIRCLE NO. 23 ON READER SERVICE CARD



PLANTATION BEACH RESORT CAYOS COCHINOS RESERVE BAY ISLANDS HONDURAS



Dive with the abundant sea life at the **only resort** in the **Cayos Cochinos Biological Reserve**.

Maximum 20 divers, all inclusive, 3 boat dives daily, unlimited shore/night diving.

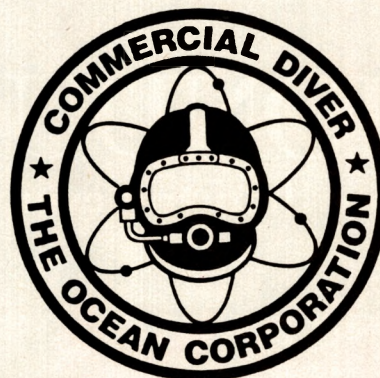
WALLS • SEAMOUNTS • PLANE WRECK
GREAT MACRO • SEA KAYAKS • NATURE TRAILS
Friendly Professional Staff & Terrific Food

Everything that was great about Cayos Cochinos just got better!!!

800-628-3723

FAX 713-680-2306

CIRCLE NO. 16 ON READER SERVICE CARD



Commercial Diver Training Deep In the Heart of Texas

1-800-321-0298

The Ocean Corporation

10840 Rockley Road • Houston, TX 77099
(713) 530-0202 • FAX (713) 530-9143

CIRCLE NO. 75 ON READER SERVICE CARD

GRAY'S REEF

NATIONAL MARINE SANCTUARY

Neoprene lab coats and a 22-square-mile petri dish. Welcome to the Peach State's undersea laboratory. —BY UNNDÓR JÓNSSON

It's huge! Like a lump of dirt, the stingray lies motionless directly in front of me, keeping a suspicious eye trained on my next move. Apparently it's not completely at ease. Slowly it begins to arch its body and tail upward, preparing to lash at me with two thumb-thick stingers. Carefully, I inch my way to the other side of the massive ray, trying to get close and not spook it, when with almost supernatural simplicity, the stingray heaves its entire six-foot body out of the sand and flaps its wings effortlessly beyond the reach of the 25-foot visibility.

THE REEF

Seventeen nautical miles off the Georgia coast lies one of the largest and most accessible natural reef systems in the Southeast. Formed two to five million years ago by



DIVE IN

To protect the reef, NOAA limits activities in the sanctuary. Most forms of commercial fishing and the removal of live rock are forbidden.

Though popular with sport fishermen, the reef has yet to be discovered by recreational divers. Unpredictable winter weather limits scheduled charters, although fall can offer some of the best visibility and conditions. Water temperatures rise to 85F in the summer months and drop to the high 50Fs in winter.

Some boats can be chartered on an individual basis throughout the year, depending on the weather. Scheduled charters average \$70 to \$85 per person for two-tank dives and \$110 for three-tank trips, but charter prices can vary depending on the size of dive groups. Book trips well in advance.

Charter dive trips can be booked out of Tybee Island: Lazaretto Creek Marina, (912) 786-5848.

Scheduled trips: Brunswick: Hammerhead Dive Center, (912) 262-1778; **St. Simons Island:** Island Dive Center, (800) 940-3483.

For more information about the sanctuary, contact: Gray's Reef National Marine Sanctuary, 10 Ocean Science Circle, Savannah, GA 31411; (912) 598-2345.



TOUCH ME NOT: THE NOCTURNAL SPINY URCHIN'S INTIMIDATING SPINES HELP KEEP DIVERS OFF ONE OF THE SOUTHEAST'S LARGEST REEF SYSTEMS.

marine sediments, mud, silt and sand, and hardened by exposure above sea level during the Ice Age, Gray's Reef—like other live-bottom reefs scattered from Cape Hatteras, N.C., to Cape Canaveral, Fla.—consists of soft lime-

stone ledges and outcroppings rising as much as six feet off the sandy seafloor.

These limestone ledges are a haven for marine life on the barren sand plains off the Southeast coast. A solid foundation for marine organisms to attach to, the reef is blanketed with hard corals, gorgonians and sponges. Tropical, reef and predatory fishes—more than 150 species—congre-

Diving & Snorkeling ...are superb...



*In a crystal clear ocean
With gorgeous beaches
On a tranquil island
Where nature is still pristine*

Dive Packages from
\$581 per person
Snorkel Packages from
\$359 per person
800-426-0466

809-338-2051
Fax 305-359-8238



SOUTHERN BAHAMAS

CIRCLE NO. 7 ON READER SERVICE CARD

BRITISH COLUMBIA, CANADA

WHERE THE WILD THINGS ARE

Crowded tropical diving leave you lukewarm?
Log book entries all beginning to look alike?

**THEN AWAKEN TO THE CHALLENGE OF DIVING
THE NEW FRONTIER: BRITISH COLUMBIA.**



DESCEND BENEATH THE EMERALD SEA TO AN UNDERWATER WILDERNESS

BEYOND COMPARISON. Ride a current past walls riotous with colour...

Wander through light-filtered kelp forests... Explore countless mysterious

wrecks... Encounter an octopus hunting at night... Snorkel with seals at

play. Experience the magic of an orca's farewell, its tail fluke silhouetted

against a sunset sky. **COME TO WHERE THE THRILL OF DIVING TAKES YOUR**

BREATH AWAY: BRITISH COLUMBIA. With over a thousand miles of rich, current fed Pacific and countless fjords full of brilliant sea life and crystal clear

waters. Where friendly people are proud to show their corner of paradise

and dive travel is a bargain with favourable exchange rates. You'll leave with

a log book to brag about and memories of a lifetime.

WHERE DIVING IS ROUTINELY AN ADVENTURE.

Get your own diving
guide by calling:
1-800-663-6000



**SUPER, NATURAL
BRITISH COLUMBIA
CANADA**

CIRCLE NO. 29 ON READER SERVICE CARD

gate here for shelter and food.

Although the reef's ocean conditions are affected by the nearby Gulf Stream—75 nautical miles offshore—winter temperatures drop below the comfort zone of many tropical species, which either move out to warmer waters or die during the coldest months.

DIVING THE REEF

After a two-hour-plus boat ride, divers descending through bottle-green water are greeted at 55 feet with heavily encrusted ledges interrupted by flat-bottom sand troughs, crevices and gentle rocky slopes. Vase sponges, encrusting sponges, tunicates, sea whips and fans are the first forms to take shape while a closer look reveals reef residents going about their daily routine: a goatfish fights with a slippery dick, a Florida regal sea goddess shows off her haute-couture black-and-yellow mantle and feathery gills while sluggish sea cucumbers inch across the sand troughs.

Pelagics constantly cruise over and around the reef—some of which divers will rarely encounter closer to shore. Greater amberjacks and barracuda are commonly sighted, and sharp-eyed divers might spot Spanish and king mackerel cruising by at the edge of visibility. Sharks do visit the reef, but usually stay away from divers. Most commonly encountered are nurse sharks, which can be found resting under limestone ledges. Southern stingrays lie barely hidden in the sand patches surrounding the reef, and manta rays with 10-foot wingspans have been known to stop by for a thorough cleaning and to play a leading role in underwater videos.

Although far from shore, the depth at Gray's Reef maxes out at 50 to 65 feet. This relatively shallow depth and tropical to subtropical ocean conditions make reef fish the most plentiful fauna. Black sea bass observe divers warily, allowing close encounters only to the stealthy. The gag grouper is even more timid, flashing its yellowish-silver underbelly at a comfortable distance. Schools of Atlantic spadefish circle divers while sheepshead, cubby, gray triggerfish and burrfish seem oblivious to human presence.

Because the ledges and crevices conceal some of the reef's most interesting residents and because of limited visibility—ranging from 25 feet in winter to 60 feet in summer and fall—divers should bring a good dive light, even on sunny days. Crustaceans, octopuses, shy fish and even loggerhead turtles hide in the reef's dark recesses.

DEAN DEPHILLIPS



GRAY'S REEF PROVIDES SHELTER AND FOOD TO RETICULATE MORAYS AS WELL AS OCTOPUS AND LOGGERHEAD TURTLES ON AN OTHERWISE BARREN SAND PLAIN OFF THE GEORGIA COAST.

THE SANCTUARY

In 1981, Gray's Reef's 17-square-nautical-mile area was designated a national marine sanctuary and placed under the protection of the National Oceanic and Atmospheric Administration (NOAA). Scientists from NOAA, the University of Georgia's Marine Extension and the Georgia Department of Natural Resources and others are involved in taking fish counts, mapping the ocean bottom and educating the public about the reef and related marine life. Among the finds at Gray's Reef and nearby J Reef are mammoth and mastodon bones, evidence that the reef was dry land 20,000 to 40,000 years ago.

During the winter months, Gray's Reef is frequented by the northern right whale, and is believed to be a part of the only known calving ground in the world for this endangered species. Another endangered species, the loggerhead turtle, frequents the reef year-round, using it for shelter and feeding between nesting trips to the Georgia coast.

The importance of Gray's Reef does not lie in harvestable resources like oil or gas. Its value lies in the knowledge it imparts about our environment—knowledge we need to live in harmony with nature and its vast but limited resources.

RSD research associate Unndór Jónsson prefers the warm waters of the Georgia coast to those of his native Iceland.

JACKPOT!

Sharks. Dolphins. Wrecks. Casinos!



A winning vacation combination with non-stop excitement day or night! Enjoy adventure diving with The Underwater Explorer's Society and fabulous nightlife at the Lucayan Beach Resort and

Casino, located on the beautiful Grand Bahama beach, only steps away from UNEXSO.



LUCAYA, GRAND BAHAMA, THE BAHAMAS

UNDERWATER EXPLORERS SOCIETY

U N E X S O

Dive/Hotel Packages Start As Low As \$199*

1-800-992-DIVE

or (305) 351-9889

*Effective through December 20, 1995. Prices subject to change.

CIRCLE NO. 8 ON READER SERVICE CARD

Discover Diving in the Remote Bahamas



Join us for a Shark Dive!



Embark on a voyage of discovery in the remote and pristine Bahamas aboard the award-winning *Nekton Pilot*. Experience the first-class accommodations, the delicious cuisine, and the fabulous diving from the elevating dive platform. Departing from south Florida and Great Exuma for week-long excursions, the *Nekton Pilot* is designed to pamper divers seeking adventure and the unique.

NEKTON DIVING CRUISES

(800) 899-6753 (305) 463-9324



San Salvador

Conception Island

Rum Cay

CIRCLE NO. 90 ON READER SERVICE CARD

Dive Cozumel

AIR, TRANSFERS, 7 NIGHTS HOTEL, 5 DAYS DIVING

DIAMOND



from \$1,299

Plaza Las Glorias

& Aqua Safari

from \$989

Prices are per person based on Chicago departure, between October 7 and December 10, 1995, dbl. occupancy including round-trip airfare on charter airlines, hotel, transfers, diving (two tanks per diving day), and more. Departure and Immigration taxes not included. Prices subject by availability and vary by departure date, city of origin, duration, hotel, and dive operator. See the Fair Trade Contract in the current Apple Vacations brochure for complete details. Other gateways include New York, Philadelphia, Pittsburgh, Cleveland, St. Louis, Atlanta, Cincinnati, Baltimore, Columbus, Hartford, Milwaukee, Denver, Phoenix, San Antonio, Los Angeles, San Diego, and San Francisco.

APPLE VACATIONS

DIVE TOURS

CIRCLE NO. 87 ON READER SERVICE CARD

Small Hope Bay Lodge

WARM & FRIENDLY
BY NATURE



Andros Island, Bahamas
since 1960

Direct 809-368-2013/4

Fax 809-368-2015

800-223-6961 US/Canada

September & October Special!

DAILY ALL-INCLUSIVE RATE FROM \$140 PP, includes beachfront cottage accommodations, 3 great meals a day, all beverages, cab transfers to/from airport, hotel tolls, government resort levies & all service charges.

ALSO INCLUDES use of beachfront hot tub, bicycles, sailboat, windsurfers and free introductory SCUBA lessons.

WE ALSO HAVE:

Masseuse on premises • Nature Walks
Androsia Batik Factory Tours
Weekly Slide Shows on Marine Life
Video Taping of Dives
Underwater Camera Rental
Superb Library and CD Collection
Interesting People • Low-impact Lifestyle
And Just 20 Cottages on the Beach!

3 DIVES
EVERY DAY

COMPLETE
SNORKELING
PROGRAM

CUSTOMIZED
SNORKELS/DIVES
FOR FAMILIES
OR SMALL
GROUPS

BLUE HOLE
& WALL
SPECIALTY DIVES

BONEFISH
FLATS

DEEP SEA &
REEF FISHING

CIRCLE NO. 6 ON READER SERVICE CARD

Divers Academy

Quality Training Since 1977

Become a Professional Diver!



- Surface Air/Mixed Gas Diving
- Hyperbaric Chamber Operation
- Underwater Welding and Burning
- Bridges, Oil Rigs, Power Plants
- Remote Vehicles, U/W Ultrasonics
- Federal Financial Assistance for Qualified Students
- Approved for Veterans Trainings



Call Today
1-800-238-DIVE

Of the Eastern Seaboard, Inc.
2500 Broadway • Camden, New Jersey 08140

CIRCLE NO. 74 ON READER SERVICE CARD

Manta Ray

Dives of Hawaii, Inc.

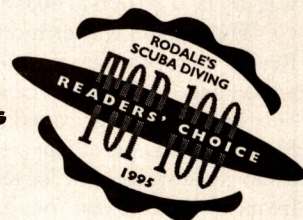
Scuba Diving Tours

Certification

Dive Gear Rentals

Charter Fishing

Island Tours



Dive sites ranked by Rodale's Scuba Diving in their 1995 Readers Choice Top 100 Survey as being among the top 4 in 7 of its 26 categories, including "Favorite Night Dive" (3rd), "Favorite Animal Encounter" (2nd), and "Best Place To See Big Animals" (4th).

24 HR. Reservations • 1-800-98MANTA
KONA, HAWAII

[HTTP://WWW.KONACOAST.COM/MANTA](http://www.konacoast.com/manta)

CIRCLE NO. 50 ON READER SERVICE CARD

OLYMPIC COAST

NATIONAL MARINE SANCTUARY

America's newest marine sanctuary offers a look at creatures great and small, from flatfish to gray whales—and a few guillemots in between. —BY BRANDON D. COLE

The steep undersea face of Tatoosh Island sweeps before me like a flower garden in full bloom: Christmas-bright sea anemones and sponges, crabs scuttling over clumps of raspberry soft coral. When a pair of eyes peer out from a crevice, I put on the brakes and backpedal for a closer look. Two suckered tentacles snake toward me and a Pacific giant octopus—the world's largest species and a wonderfully curious, harmless creature—flows liquidly from its den.

Waves of color wash over its body, which is first mottled brown with bumps, then shifts to smooth white, then to a dark red. I hold up a hand and wriggle my fingers in greeting. A single tentacle winds around my wrist, then tugs gently. I couldn't ask for a warmer welcome to the chilly emerald waters of the Olympic Coast National Marine Sanctuary, our nation's 14th and newest.

With boundaries that extend 25 to 40 miles offshore and stretch from the U.S.-Canadian border south for 135 miles, the Olympic Coast NMS is the nation's third largest, first in the Pacific Northwest, and home to a stunning array of wildlife both large and small. Some of the best diving is near the small town of Neah Bay, on the Makah Indian Reservation. Although nearby Tatoosh Island is suitable for divers of all levels, **Duncan Rock**, with its washing-machine surge and depths of 90 feet, is an advanced-only dive.

On both you'll find reef fishes like kelp greenling, rockfish and perch living along sheer walls and in the stands of kelp. Six-foot wolf eels slither about the boulder fields in search of sea urchin snacks. Lingcod, some over 50 pounds and with a set of dentures that would do a shark proud, stand guard over clutches of eggs. Flat, sandy plains border the rocky outcroppings and provide a home to burrowing creatures like flatfish, sand dollars and sea pens.

Farther south down the coast is **Strawberry Rock**, a rarely dived and spectacular site that features invertebrate-covered ledges shelving down to 80 feet and impressive amounts of fish life. Past Cape Alava is what divers could justifiably call "terra incognita"—75 miles of coastline with hundreds of rocks, reefs and pinna-



THIS RED IRISH LORD ENJOYS THE PROTECTION OF A MASTERFUL CAMOUFLAGE AND THE REGULATIONS OF THE NEWEST U.S. NATIONAL MARINE SANCTUARY.

DIVE IN

The best way to enjoy the Olympic Coast NMS is diving from a small boat. Most of the reefs are offshore and nearly all of the shore is difficult to access due to steep bluffs, treacherous beaches and thick forest growth. Hook up with a charter boat operator or bring your own boat to launch in either Neah Bay or Sekiu. You can also rent skiffs in Neah Bay. Caution: Most Olympic Coast diving is exposed to open-ocean conditions and strong tidal exchanges. Diving with a local operator or a buddy experienced in the area will ensure your safety and enjoyment.

Optimal diving conditions are usually in the fall and in between winter storms, when visibility can exceed 60 feet. During spring and early summer, plankton blooms are likely to reduce vis to 15 to 20 feet. The water is cold year-round, averaging 53F. Heavy wetsuits or dry suits recommended. Dives are usually scheduled around slack water—the period between changes in current direction when water movement is at a minimum.

Modest accommodations are available in Neah Bay. For hardier types on a budget, camping is available throughout the area.

For more information on the sanctuary: Olympic Coast NMS, 138 West First St., Port Angeles, WA 98362; (360) 457-6622. Two dive operators serve the area: Curley's Resort and Sekiu Dive Center, Box 265, 291 Front St., Sekiu, WA 98381; (360) 963-2281, and Snow Creek Campground, P.O. Box 248, Neah Bay, WA 98357; (360) 645-2284.

KAREN MINOT

BRANDON D. COLE

cles virtually unexplored by divers.

You want big critters? Nearly 30 species of marine mammals ply the Olympic Coast waters. Pods of killer whales cruise the darkly forested shorelines. Gray whales are regularly sighted inshore during their yearly migration from the Bering Sea to Mexico. Dolphins and porpoises own the open ocean and your boat's bow wave; seals and sea lions haul out on reefs and craggy headlands. And a true testament to the efficacy of marine protection: sea otters, once pushed to the edge of extinction, now bob and roll in the kelp forest's canopy.

The sanctuary's 870 offshore islands, remote reefs and rocks are also home to an aviary of seabirds: gulls, murre, pigeon guillemots, rhinoceros auklets and tufted puffins, to name a few. The annual migration of transitory species brings millions of birds to this coastline, where bald eagles roost high in evergreens on the water's edge, peering

deep into the sea for a salmon meal swimming by.

The need to protect this vast underwater wilderness became all too apparent in 1988 and again in 1991 when two oil spills fouled the sensitive coastline. The



URCHINS, ANEMONES AND SEA STARS BRING TROPICAL COLOR TO CHILLY WATERS.


two spills, together with the 1989

Valdez catastrophe in Alaska, pushed the Olympic Coast sanctuary proposal into the political spotlight as one way to head off potential disasters from the shipping of oil.

Former congressman Mike Lowry, now governor of Washington, provided the leadership that eventually led to offi-

cial sanctuary status in 1994, after first being proposed more than a decade earlier in 1983. Support for the sanctuary came from all levels, federal, state, local and tribal. Four Native American tribes—the Hoh, Makah, Quileute and Quinault—have been linked with the Olympic Coast for millennia.

Prohibited activities in the sanctuary include bans on oil and gas development, tampering with historical or cultural artifacts, discharging or depositing any material, harassing marine mammals, sea turtles or seabirds. Recently, an internationally recognized "Area To Be Avoided" designation was approved, keeping commercial vessels carrying oil and other hazardous cargoes away from the fragile coast.

The sanctuary's "multiple use mandate" encourages activities that are compatible with resource conservation—including safe marine shipping, commercial and sport fishing, as well as low-impact ecotourism such as hiking, wildlife watching and, of course, scuba diving—in a true American frontier scheduled to stay that way. 

Marine biologist, photographer and writer Brandon D. Cole lives in Spokane, Wash.

BRANDON D. COLE



DIVING ADVENTURE, AND

A unique and attractive private island resort combining natural beauty with casual elegance, modern comforts, fine food and excellent service.

Beachside or hillside rooms air-conditioned with phone, cable TV, refrigerator and private patio. Dedicated dive operation, full service marina, all watersports, tennis and basketball courts.

Fantasy Island Beach Resort Dive & Marina
Roatan – Bay Islands – Honduras

(800) 676-2826 (813) 835-4449 011 (504) 45-1222

CIRCLE NO. 14 ON READER SERVICE CARD

Marine parks—sacred spaces where humans pay homage to their marine heritage and life-giving force. Fortunately, our C-cards allow us to enjoy these places while others only dream about them. Landlubbers have their Yellowstone and Yosemite—we have our Bonaire and Bunaken.

Sounds fair enough, until you have to choose the world's finest and most sacred, which is no easy task. There are some remote parks that are as pristine as the day our species first trampled on this planet. And there are others that are fighting the good fight to keep their heads above water.

To narrow it down, we chose marine parks that meet three criteria. The park must be diveable, offer spectacular underwater scenery, and enjoy effective enforcement of marine conservation laws to keep it that way. Drum roll, please.



WORLD'S **BEST** MARINE PARKS

BY NICK LUCEY

BONAIRE

Marine Park

Netherlands Antilles

Location: The waters surrounding Bonaire and Klein Bonaire to a depth of 200 feet; in the southeastern Caribbean, about 50 miles north of Venezuela.

Designated: 1979

What's so special about it: Every inch of this arid island's shoreline is protected, from the pink flamingos of Washington-Slagbaai National Park in the north to the pink-sand beaches of the south.

What's going on: Bonaire was the first park in the Caribbean to charge an entry fee. A system of more than 70 mooring buoys and shore diving markers rings Bonaire and Klein Bonaire, a tiny, uninhabited islet off Bonaire's leeward coast. Park rangers and four boats patrol the park, provide information and enforce rules. Coastal zone management is targeted for future efforts.

Environmental Alert: The park is gearing up to defend Klein Bonaire from development by an Aruban firm. Marine park manager Kalli DeMeyer calls the development project a "major threat to the island's coral reefs."

For you it means: Shore diving on healthy reefs that guarantee lots of fish. Visibility often in the triple digits.

Prepare to pay: \$10 admission pass required; the pass is good for one year.

Don't even think about: Spearfishing, removing anything alive or dead. Mooring buoy usage is strictly enforced.

Who's in charge: The Netherlands Antilles National Parks Foundation (STINAPA) and the Bonaire Marine Park • tel: 011-599-78444; fax: 011-599-78416.

CHANNEL ISLANDS

National Marine Sanctuary

United States

Location: From the beach to six nautical miles offshore of Anacapa, Santa Cruz, Santa Rosa, San Miguel and Santa Barbara islands, off Southern California.

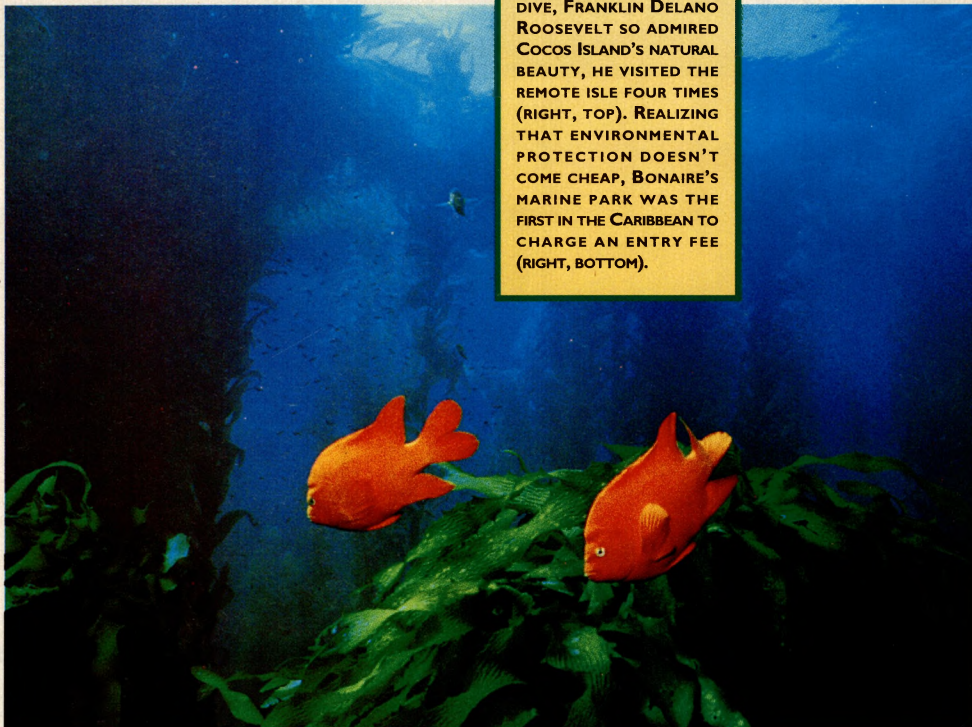
Size: 1,658 square miles.

Designated: 1980

What's so special about it: The Channel Islands NMS is, in essence, a submerged extension of the Channel Islands

National Park. This crossroads of warm and cold currents, plus nutrient-rich kelp beds, combine to spawn and support a wide variety of flora and fauna. More than 27 species of whales and dolphins can be found here.

What's going on: An oil platform spill near the islands in 1969 led to the



establishment of the sanctuary and spawned Earth Day, according to education coordinator Laura Gorodezky. Sanctuary staff sponsor educational programs in cooperation with the Santa Barbara Museum of Natural History. Projects include the Sea Center, an aquarium and marine education facility, and "Los Marineros," an education program for children. Other initiatives include an underwater photo shoot-out, educational cruises, monthly radio programs, kelp monitoring and fish identification seminars.

Environmental Alert: Oil spills from offshore drilling, water pollution and overfishing are potential threats to the Channel Islands' marine environment.

For you it means: Diving with five species of sea lions and seals. The chance to see endangered species such as the blue, humpback and sei whales, southern sea otter, Guadeloupe fur seal, California brown pelican and the California least tern. Prehistoric artifacts of the Chumash



PUMPKIN-ORANGE NEEDLES IN A BLUE HAYSTACK, GARIBALDI DOT MONTEREY BAY NMS, THE WORLD'S LARGEST MARINE SANCTUARY BY VOLUME (BELOW). ALTHOUGH HE DIDN'T DIVE, FRANKLIN DELANO ROOSEVELT SO ADMIRING COCOS ISLAND'S NATURAL BEAUTY, HE VISITED THE REMOTE ISLE FOUR TIMES (RIGHT, TOP). REALIZING THAT ENVIRONMENTAL PROTECTION DOESN'T COME CHEAP, BONAIRE'S MARINE PARK WAS THE FIRST IN THE CARIBBEAN TO CHARGE AN ENTRY FEE (RIGHT, BOTTOM).

Indians can be found on the seafloor, as well as more than 100 shipwrecks.

Prepare to pay: Nothing.

Don't even think about: Discharging sewage, disturbing marine mammals and birds, or removing or damaging historical or cultural resources, including shipwrecks and archaeological artifacts.

Who's in charge: Channel Islands National Marine Sanctuary (NOAA) • tel: (805) 966-7107; fax: (805) 568-1582.

COCOS ISLAND

Marine Preserve

Costa Rica

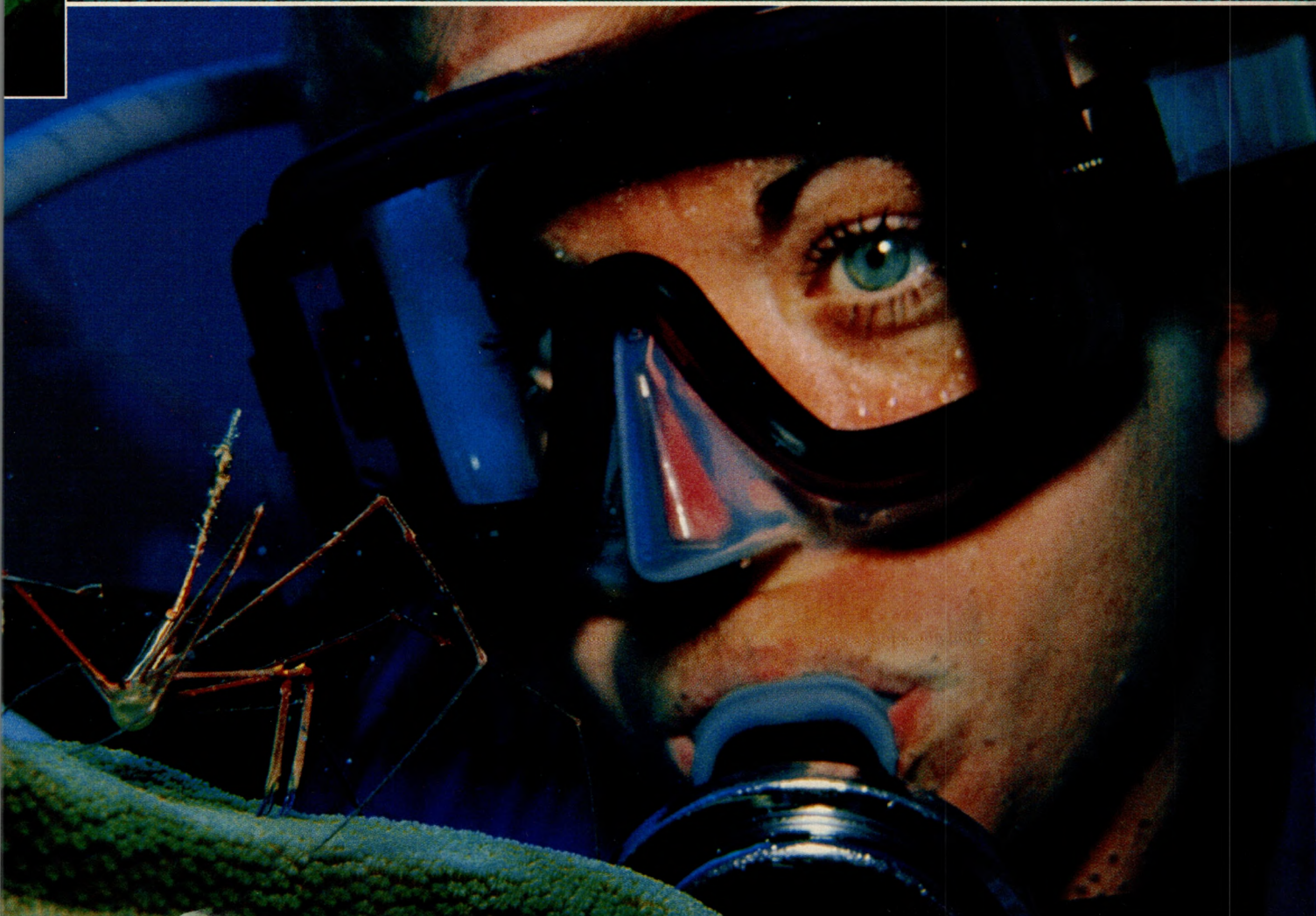
Location: Three hundred miles southwest of mainland Costa Rica, in the extreme eastern Pacific.

Size: 240,268 acres.

Designated: 1992

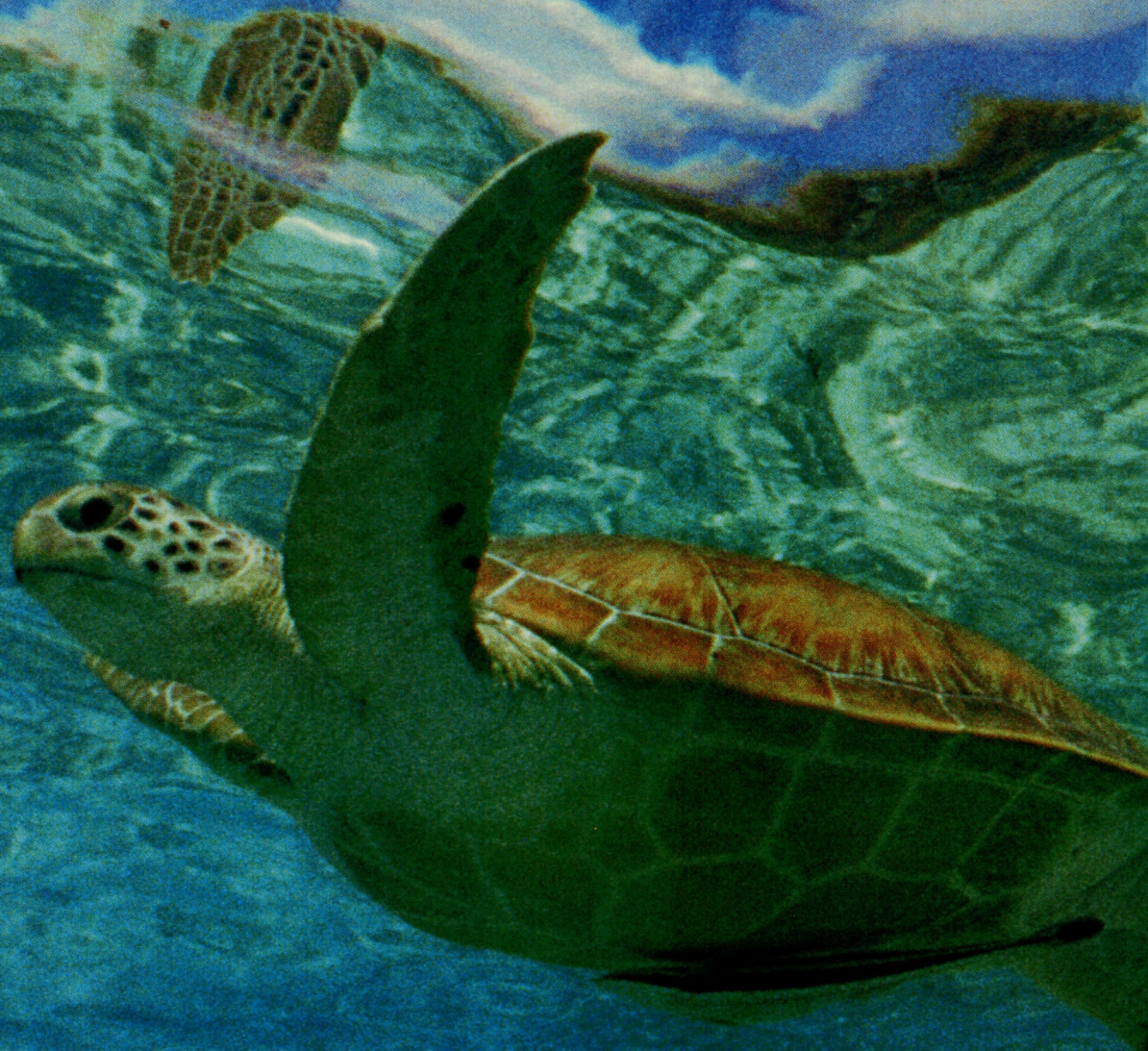
What's so special about it: Cocos Island, in the same corner of the planet as the Galapagos and Malpelo, is the

CHRIS CRUMLEY/EARTHWATER STOCK



Best Marine Parks

TURTLES SOAR FREE
ALONGSIDE A QUARTER-
MILLION DIVERS A YEAR IN
CAYMAN'S PROTECTED
WATERS (THIS PAGE).
FATHOM FIVE NATIONAL
MARINE PARK PRESERVES
ITS TWO DOZEN WRECKS
LIKE MANY SANCTUARIES
SAFEGUARD THEIR REEFS
(FAR RIGHT).



largest uninhabited island in the world. Here, pinnacles rise from the depths of the Guatemala Basin to be washed by warm equatorial currents from the north and west and by the cool Peru Current from the south.

What's going on: Costa Rica has developed one of the most ambitious conservation programs in the world, with a focus

on preserving the country's biodiversity. A global volunteer program assists the island's 12 rangers with enforcement.

Environmental Alert: While steps are being taken to protect Cocos's waters, overfishing remains a major threat to the island's populations.

For you it means: The chance to dive with hammerheads, silky, white-tip reef and whale sharks, marbled

stingrays, manta rays, Moorish idols, tuna, barracuda, sailfish, marlin and green turtles. Remember, this is open-ocean diving.

Prepare to pay: \$15 per person, per day.

Don't even think about: Fishing.

Overnighting on the island is allowed only for park officials. The closest you'll get is a live-aboard bunk.

Who's in charge: Costa Rica National Park Service • tel: 011-506-257-0922, 011-506-257-2239; fax: 011-506-223-6063.

FATHOM FIVE

National Marine Park

Canada

Location: Off the tip of the Bruce Peninsula in central Ontario.

Size: 52 square miles.

Designated: 1987

What's so special about it: Canada's first marine park and its most visited dive destination focuses its protection on wrecks rather than reefs. The waters of Lake Huron and Georgian Bay off Tobermory include more than 20 wrecks, protected by cool temperatures and unmolested by teredo worms.

What's going on: The Friends of Fathom Five and the Ontario Underwater

Council's leagues of volunteers play an active role in the preservation of the park by holding fund drives, conducting lake cleanups, building boardwalks and patrolling waters. Park officials constantly monitor deterioration of wrecks.

For you it means: Diving on well-preserved wrecks—some more than 100 years old—that are free of teredo worms and pilfering divers. Fascinating geological sites (thanks to the last Ice Age), including grottoes, caves and swim-throughs.

Environmental Alert: Zebra mussels are the biggest threat to the preservation of park wrecks, according to Don Wilkes, chief of visitor activities.

Prepare to pay: \$8 Canadian; the pass is good for one year.

Don't even think about: Removing, disturbing or damaging anything under water or on land in any way. All divers must sign in at the Diver Registration Center.

Who's in charge: Fathom Five National Marine Park • tel: (519) 596-2233; fax: (519) 596-2298.

GREAT BARRIER REEF

Marine Park

Australia

Location: Along the Queensland coast.

Size: 215,000 square miles; slightly smaller than Texas.

Designated: 1975

What's so special about it: The Great Barrier Reef is the largest marine park in the world, established to protect the largest thing ever built by life on this planet. The park includes 2,900 reefs, 600 continental islands and 300 coral cays. Despite its immense size, the park is better managed and rules are better enforced than most parks a fraction of its size.

What's going on: The Great Barrier Reef Marine Park Authority's power to enforce zoning uses takes precedence over most local, state and federal legislation that might conflict with park goals, which maintain a sustainable balance between use and preservation.

Environmental Alert: Increasing nutrient levels and oil shipping are the biggest threats to the GBR.

For you it means: Having to choose what part of the reef you want to dive before you get to Australia. Live-aboards or long boat rides to remote and spectac-



D. HOLDEN BAILEY

HANS GRASSPONTNER/ EARTHWATER STOCK

ular reefs. A chance to see unique creatures such as the potato cod and the wobbelgong, or carpet shark.

Prepare to pay: AUS\$1 per day.

Don't even think about:

Littering or spearfishing with power heads.

Who's in charge: The Great Barrier Reef Marine Park Authority (GBRMPA) • tel: 011-616-247-0211.

MONTEREY BAY

National Marine Sanctuary
United States

Location: Offshore central California.

Size: 5,300 square miles; if you're measuring by volume, the 10,000-foot-deep Monterey Canyon makes this the biggest marine park in the world.

Designated: 1992

What's so special about it:

Monterey Bay is the largest U.S. national marine sanctuary. Among world marine parks, it is second in area only to the Great Barrier Reef. Monterey Canyon dominates the sanctuary's bottomography, plummeting almost two miles. Kelp and more than 1,200 wrecks carpet the sanctuary's seafloor, and sea otters, blue sharks, giant squid and whales enjoy the cold, nutrient-rich upwellings that bring in the big stuff during spring and summer.

What's going on: So far, the NMS has not had to issue fines, only warnings for wastewater discharge. The focus of NMS protection is education and research.

For you it means: Diving into the cold with sea lions, otters and kelp beds.

Prepare to pay: Nothing.

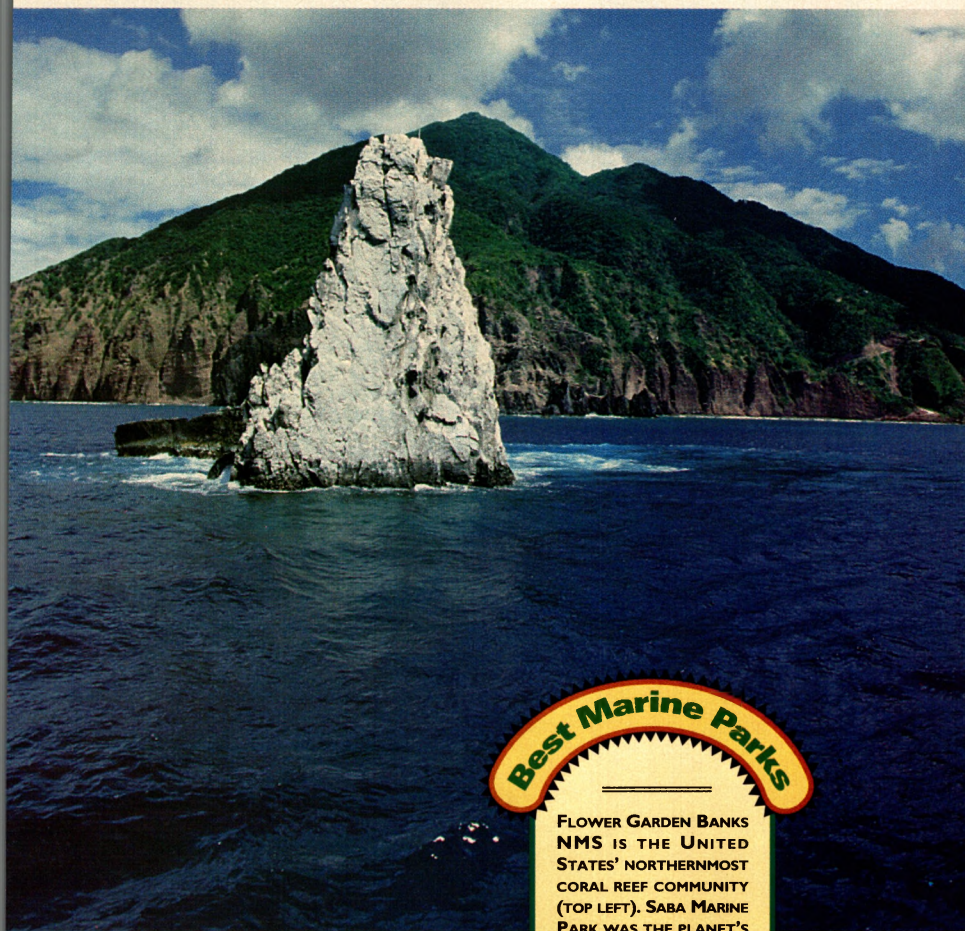
Don't even think about: Moving, removing or injuring any historical or natural resources (this includes wrecks) or taking or harassing any marine mammals, birds or sea turtles. You'll be slapped with a fine of up to \$100,000 for harassing marine mammals. Jet skis are allowed only in designated areas.

Who's in charge: Monterey Bay National Marine Sanctuary • tel: (408) 647-4208; fax: (408) 647-4225.



JESSE CANCELMO

D. HOLDEN BAILEY



Best Marine Parks

FLOWER GARDEN BANKS NMS IS THE UNITED STATES' NORTHERNMOST CORAL REEF COMMUNITY (TOP LEFT). SABA MARINE PARK WAS THE PLANET'S FIRST SELF-SUSTAINING UNDERWATER SANCTUARY (ABOVE). THE BUNAKEN-MANADO TUA NATIONAL PARKS ARE HOME TO ALL THE FISH SPECIES OF THE ENTIRE INDONESIAN ARCHIPELAGO (LEFT). THE BOWHEAD GUITARFISH, CHIMERA-LIKE WITH THE HEAD OF A RAY AND THE BODY OF A SHARK, IS AN EERIE RESIDENT OF THAILAND'S SIMILAN ISLANDS NATIONAL PARK (BELOW).

SABA

Marine Park

Netherlands Antilles

Location: In the Lesser Antilles, Eastern Caribbean; the waters surrounding Saba to a depth of 200 feet.

Size: 2,149 acres.

Designated: 1987

What's so special about it: Saba is the world's first self-sustained marine park—due to the collection of user fees, private donations and souvenir sales. Saba is the head of an enormous sea pinnacle, thrust almost 3,000 feet above the Caribbean surface.

What's going on: According to park manager Kenny Buchan, fish censuses from 1991 to 1995 show that island reef fish populations have increased 60 percent. Park staff monitors these fish as well as the health of benthic organisms, salinity, rainfall and temperatures, and conducts diver impact studies and sponsors coastal cleanups. The park's one boat can patrol the entire park in a half-hour.

BELOW: MARK STRICKLAND; LEFT, NORBERT WU



Best Marine Parks

BECAUSE THE RED SEA IS NEARLY LANDLOCKED BETWEEN THE ARABIAN PENINSULA AND NORTH-EASTERN AFRICA, 30 PERCENT OF RAS MOHAMMED MARINE PARK'S REEF FISH ARE ENDEMIC (THIS PAGE). THE 220-MILE-LONG FLORIDA KEYS NMS IS THE WORLD'S SECOND-LONGEST PROTECTED REEF SYSTEM (FAR RIGHT).

Environmental Alert: Sedimentation from the island's steep shoreline is the biggest threat to Saba's reefs.

For you it means: Diving with blacktip reef sharks, schooling jacks and turtles on pinnacles covered in hard corals, gorgonians and sea fans.

Prepare to pay: \$2 per person, per dive.

Don't even think about: Spearfishing,

conch or turtle collecting. All boats must use one of 32 mooring buoys and sportfishing is not allowed in the recreational diving zone.

Who's in charge: Saba Marine Park and the Saba Conservation Foundation, a nongovernmental organization • tel: 011-599-463295; fax: 011-599-463435.



DOUG PERRINE

A L S O S T A R R I N G

BUNAKEN-MANADO TUA

National Parks

Indonesia

The waters of the double park system harbor every species of reef fish that inhabits the 13,700-island Indonesian archipelago, the world's largest. The 236,626-acre park system was designated in 1986, thanks to the persistence of Loky Herlambang of the Nusantara Dive Center. Nutrient-rich waters from the depths of the Sulawesi Sea flow over the reefs. Expect to see steep coral walls covered with an array of soft corals. The surfaces of the walls are crowded with hard and soft coral, whip coral, sponges and clinging filter-feeders like crinoids and basket stars. Schools of pyramid butterflyfish and black triggerfish and schools of anthias swarm around the reef edges and the upper parts of the walls. Sharks, schools of barracuda, rays, moray eels, Napoleon wrasse and sea snakes are relatively common. Visibility hovers around 75 feet. Park law and tourist visits have encouraged fishing to stop in one sanctuary area on Bunaken Island. The taking of fish, coral or shells is punishable by a six-month imprisonment.

Environmental Alert: Overfishing, including dynamite fishing, poses a threat to the area's reefs.

CAYMAN ISLANDS

Marine Park

British West Indies

A series of marine park and replenishment zones cover about half of the Cay-

mans' shoreline. Marine park zones include offshore Seven Mile Beach, North West Point and Rum Point, Grand Cayman; the northwest, southwest and southeast shores of Cayman Brac; and Bloody and Jackson Bays and the southwest coast of Little Cayman. In these zones, the export of live fish or other marine life, damaging coral by anchor, chains or any other means and the dumping of raw sewage is strictly prohibited. Violation of these laws carries a maximum penalty of \$5,000 and one year in jail.

Environmental Assessment: A well-protected park that manages to support the large number of divers (250,000) who visit here each year.

FLORIDA KEYS

National Marine Sanctuary

United States

The Florida Keys NMS surrounds the second-longest protected reef system in the world after the Great Barrier Reef. The Keys are a meeting place for many warm-water and temperate species of fish.

The Key Largo and Looe Key national marine sanctuaries were the building blocks for the creation of the 220-mile-long, 3,674-square-mile sanctuary in November 1990. Sanctuary initiatives include education programs, research and monitoring, and volunteer programs. Visibility hovers just under 100 feet; higher when the Gulf Stream makes a close pass. Water temps range from the low 70Fs in winter to the low 80Fs in summer.

Environmental Assessment: Park management plans have yet to be finalized. Increased nutrient levels and water

quality issues are being addressed.

FLOWER GARDEN BANKS

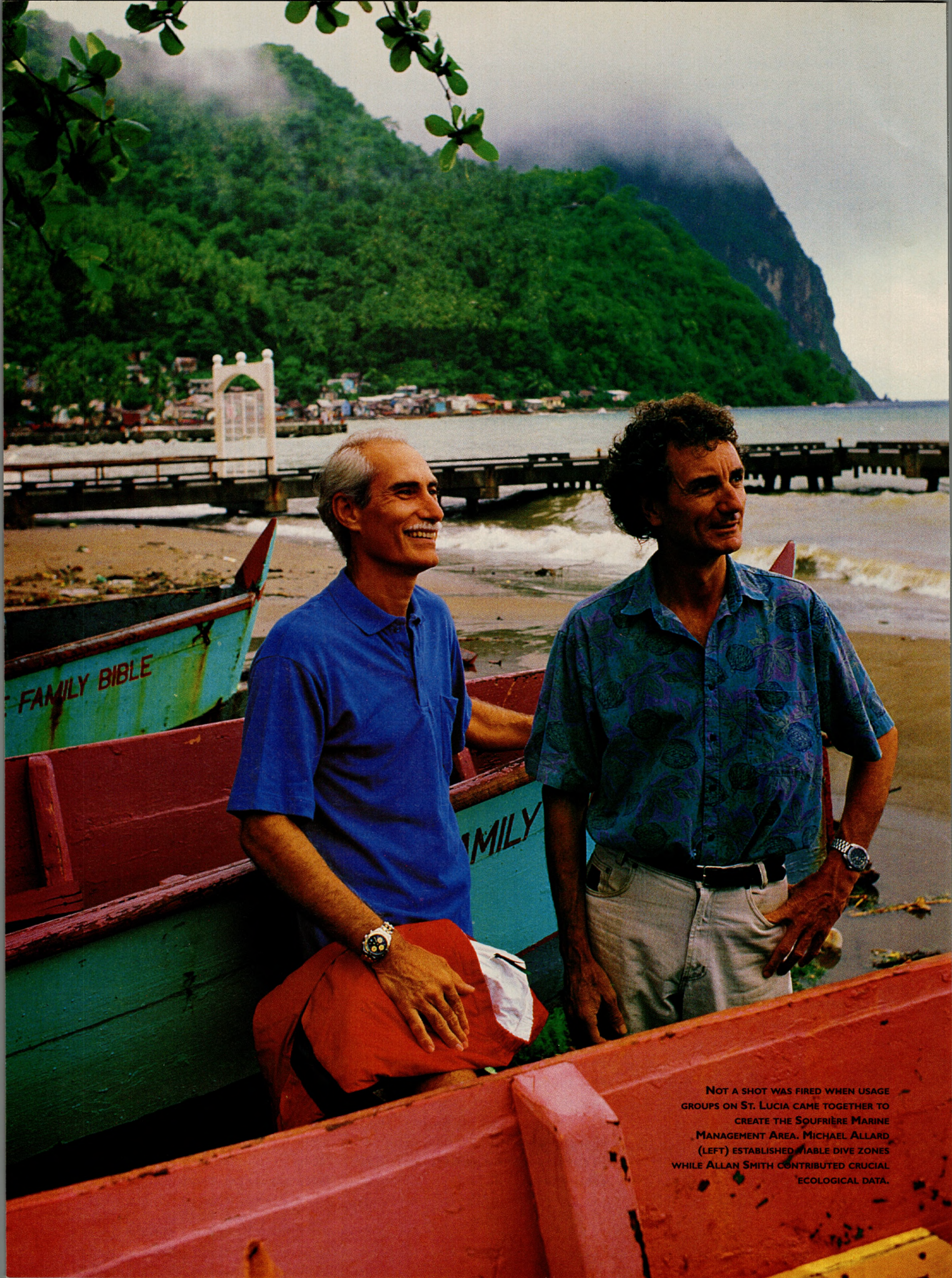
National Marine Sanctuary

United States

More than 100 miles south of Texas's Gulf coast, the Flower Garden Banks are the northernmost coral reef community in the United States. The 500-acre sanctuary supports 12 species of reef-building coral, 175 fish species and 253 varieties of invertebrates. The sanctuary is an open-water fish magnet, providing rare relief in the flat expanse of the Gulf of Mexico and drawing hammerheads January through March, manta rays and turtles in summer, and the occasional whale shark. Corals here spawn eight days after the August full moon every year.

Over the years, overfishing and anchor damage inspired the grassroots Gulf Reef Environmental Action Team to take action. They installed 12 mooring buoys without permission and, with support from the Houston dive community, helped the Banks gain designation as a national marine sanctuary on Jan. 17, 1992. Anchoring is allowed only for boats under 100 feet in length over sandy areas where no moorings are available. Boats longer than 100 feet can't anchor or moor anywhere. Conventional line and hook fishing only; spearguns, nets and longlines are strictly prohibited, and violators will incur a \$100,000 fine per infraction, per day. The best time to dive here is May through October, when seas are calmest and vis climbs to 150 feet. Water temps range from 64F to 72F.

Environmental Alert: Anchoring and overfishing (Continued on page 115)



NOT A SHOT WAS FIRED WHEN USAGE GROUPS ON ST. LUCIA CAME TOGETHER TO CREATE THE SOUFRIÈRE MARINE MANAGEMENT AREA. MICHAEL ALLARD (LEFT) ESTABLISHED VIABLE DIVE ZONES WHILE ALLAN SMITH CONTRIBUTED CRUCIAL ECOLOGICAL DATA.

Eco★Heroes

Faster than a speeding bureaucrat. More powerful than a polluting cruise ship. Able to perform turtle surgery with a single hand.

You're perusing the menu in a Chinese restaurant when you see it—shark fin soup. You contemplate what it must taste like, the texture, the aroma. You know you shouldn't even consider it, given the world's declining shark populations, but you can't help it. You're curious. One little bowl wouldn't hurt, would it?

The next time you think that, remember the people profiled here, our eco-heroes. In their unique ways, these folks have each done their part to make the oceans safe for the rightful owner of that fin in the soup bowl, for all marine life, for humankind in general and for divers in particular. Some have liberated flailing creatures from fishing nets, while others have stared down megapolluters in court. One spent three lonely decades tagging along after the planet's largest animals, and still others have spent their significant political capital trying to keep environmental programs off the budget-cutting chopping block. Simply put, these people have displayed notable courage and vision, either over the course of a lifetime or over a few seconds of conscientious action-taking.

There are hundreds, even thousands of good people doing good work for the Earth's oceans. But we've selected this intriguing handful as representatives of the best spirit of environmentalism and individual activism. The next time you're contemplating that shark fin

By Paul Kvinta

soup, remember them.
Then order the egg drop.

★ THE SOUFRIÈRE MARINE MANAGEMENT AREA TEAM

Can't we all just get along?

With dozens of marine sanctuaries and multi-use parks in the Caribbean and the United States, what makes the Soufrière Marine Management Area in St. Lucia so special?

"This is probably the only management area in the Caribbean that developed with the consensus of all the users," says Michael Allard, chairman of Anbaglo, the island's dive association. That may not sound impressive, but whenever the idea for a marine management area surfaces in a coastal community, the feuding that inevitably erupts among user groups typically resembles something just short of the Bosnian War. Fishermen feel left out. Environmentalists predict Armageddon. Insults are hurled. Things get ugly.

But the hopeful tone for Soufrière was set on the afternoon of Oct. 27, 1993, when—after a morning of rancorous screaming across a meeting room—a group of fishermen, divers, yachtsmen, biologists and others boarded two boats and puttered out along the coast. Then, as individuals cautiously began to share their knowledge of the sea with one another, tensions slowly dissipated. Divers identified spectacular reef sites. Fishermen divulged prized taking areas. Biologists pointed out delicate ecosystems. No one threw a punch, and no one cursed.

"We found there were actually few areas of contention," recalls Yves Renard, executive director of the Caribbean Natural Resources Institute (CANARI) and a key mediator in the process. "The exercise reversed quite a lot of attitudes." After two

STEVE SIMONSEN



years of tactful collaboration, the management area officially opened last July.

Now, as other islands eye St. Lucia's conflict-resolution approach to resource management, one can only hope they also find local leaders as competent as those who guided the Soufrière effort. Along with Renard's deft diplomacy and Allard's work on creating viable dive zones, the project received important political backing from people like Clem Bobb and Felix Finisterre, officials with the Soufrière Foundation who garnered support from government authorities and the local community. Allan Smith, a research coordinator and biologist with CANARI, contributed crucial ecological input, and Sarah George, a government fisheries official, looked after the island's fishing interest. J.T. Winstel, a representative of the French government—which financed much of the project—put in long hours as the management area's acting manager. Many others also pitched in—too many, unfortunately, to mention here.

The final question is, will it work?

"We've already found that we need to modify some areas," admits Smith. "But the management of the area is flexible, just like the planning was flexible."

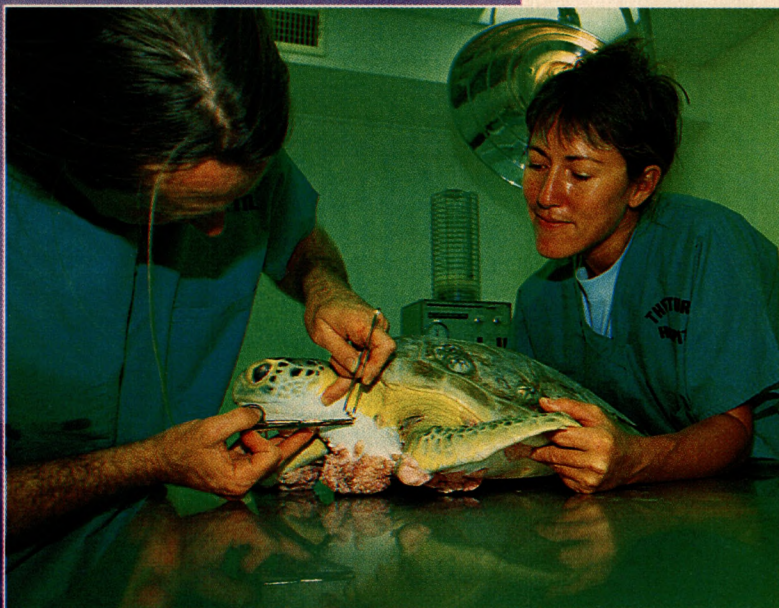
★ **MARK MASSARA**

Dude. You got effluent on my board.

When San Francisco attorney Mark Massara squared off against Louisiana-Pacific Corp. and Simpson Paper Co. in 1989, some reports called the confrontation "Gidget vs. Goliath."

"Mark was this long-haired, blond surfer working out of his garage with a computer," recalls Rob Caughlan, then-president of the Surfrider Foundation.





"And he was up against a squadron of buttoned-down lawyers." Massara's well-documented contention? LPC and Simpson violated the Clean Water Act more than 20,000 times by regularly spewing toxic effluent into Humboldt Bay. Pinstripes and lapels ultimately couldn't hide that fact, and the companies finally agreed to pay \$5.8 million in fines, the second-largest penalty levied under the federal Clean Water Act.

"We didn't care about fines," says Massara, 34, who sued on behalf of Surfrider. "We made them spend tens of millions to improve their facilities. That's what we really wanted."

For Massara, founder of the Association of Surfing Attorneys and the Surfers' Environmental Alliance, the unlikely connection between battling monster waves and battling monster polluters was established early. When he was eight years old, his father took him to the beach in Santa Barbara to throw hay on oil washing up from a 4.5-million-gallon spill by Unocal Corp. Then, in fifth grade, his homeroom teacher gave him his first surfboard.

"I've been surfing practically all my life," he says. "When I finished law school I just tried to figure out the

best way to use my degree to protect the environment I care about most."

Today, he does just that. As director of the Sierra Club's California coastal program, he monitors water pollution, coastal development and public beach access. In his spare time, he continues dragging polluters into court. He's currently wrangling with Unocal—the same company that spoiled the beach for him when he was eight—charging that the oil giant has spilled millions of gallons of oil at the mouth of the Santa Maria River, near the ecologically sensitive Nipomo Dunes. And these days, more conventional lawyers know to take the long-haired attorney seriously.

"The day before we filed our suit against Unocal," Massara snickers, "the state attorney general ran in and filed his own action against them. I guess he didn't want to be upstaged by a bunch of surfers."

★ TINA BROWN AND RICHIE MORETTI

Get me a shell patch! Stat!

"We don't have a bad connection!" turtle surgeon Tina Brown hollers into the phone as she slices a tumor off the flipper of a hawksbill turtle. "That noise is my cautery. I'm in the middle of surgery!"

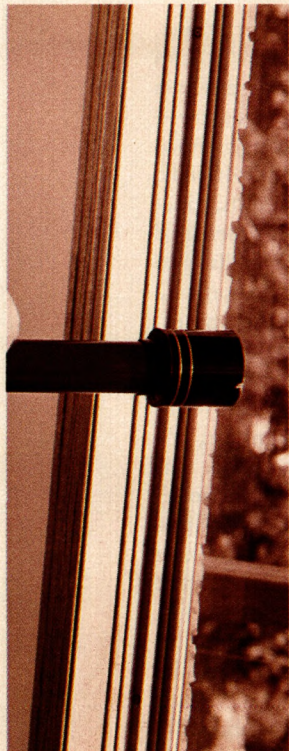
Call it multi-tasking. Brown and partner Richie Moretti operate the world's only turtle hospital with a shoestring budget and no staff in Marathon, Fla. The two of them have to handle just about everything: answering emergency calls, patching damaged shells, racing up and down Highway 1 in their turtle ambulance, hand-feeding 200-pound loggerheads too weak to care for themselves. "Turtles have amazing healing power," says Brown. "We just have to get to them in time."

The heroic thing about Brown, 38, and Moretti, 51, is that they've done so much with so little. In 1984, he gave up his VW repair shop in Orlando; she chucked her career as a hairdresser, and the two moved to the Keys where they transformed Fanny's Topless Lounge into the Hidden Harbor Marine Environmental Project. They also bought the Hidden Harbor Motel next door and turned its swimming pool into a 100,000-gallon saltwater rehabilitation pool for their reptilian patients. With meager proceeds from the motel and a smattering of donations, Brown and Moretti have rehabilitated turtles injured in boating accidents, entangled in fishing nets and stricken with disease. In nine years, they've treated more than 500 individuals.

But Brown and Moretti face a daunting problem—fibropapilloma, a tumor disease that has gripped 50 percent of the green turtle population in the Keys and is creeping into the loggerhead population. Cases from the Atlantic, Pacific and Indian oceans have been reported as well.

"The scary thing is that it's a stress-related disease," says Brown, "and pollution causes stress." Tumors that strike the external soft tissue are surgically removable; the ones that hit internal organs are always fatal. But there are those near-miraculous success stories that fire up Brown and Moretti, like the case of Lumpy, a

MARK MASSARA (ABOVE LEFT) RIDES WAVES AND THE BACKS OF POINT-SOURCE POLLUTERS; REPTILE REPAIRMEN **RICHIE MORETTI AND TINA BROWN (TOP)** ARE BATTLING A TUMOR DISEASE IN THE FLORIDA KEYS' GREEN TURTLE POPULATION; THE TALE OF THE TAPE TELLS ALL IN **MARILYN HAMAR-LEVETT AND ALVIN LEVETT'S** (LEFT) SHOWDOWN WITH PRINCESS CRUISE LINES.



GLENN TRIEST

ERIC LUSE/ SAN FRANCISCO CHRONICLE

BILL KEOGH

green sea turtle that arrived with tumors covering every inch of her soft tissue. In a half-dozen operations, the surgeons carefully removed the growths, and for four months fed her liquid food. After two years of rehab, Lumpy gained her release from the hospital and swam off into the ocean, a completely healthy turtle.

★ ALVIN LEVETT AND MARILYN HAMAR-LEVETT

Roll cameras. Action!

Shortly after 11:00 p.m. on Oct. 21, 1991, Alvin Levett and his wife, Marilyn Hamar-Levett, returned to their cabin aboard the *Regal Princess* cruise ship as it steamed north toward Fort Lauderdale, Fla. They'd just finished a fine seafood dinner, and as Alvin, a university administrator from West Bloomfield, Mich., and Marilyn, a physician, stepped onto the veranda for some fresh air, they heard the unmistakable sound of tin cans clanging together. Peering over the railing, they witnessed an arm hurling plastic garbage bags from the ship's galley into the sea.

"I didn't know at the time if this person was violating any legal or ethical standards," Levett recalls, "but it sure violated my ethical standards."

Springing to action, Marilyn fetched the video recorder, and Alvin filmed about five minutes of the bags being lobbed into the water while he gave a running commentary of the spectacle. "The ship is near Duck Key," he carefully reported into the microphone. "It's about 11:15 p.m. I can hear the sound of cans and bottles."

Fearing possible repercussions, the Levetts then locked the tape in a safe in their room and headed up on deck to question the highest-ranking officer they could find at the midnight buffet. "This one guy said the ship incinerated everything," says Levett, who concealed his discovery from the officer. "Then he shuffled his feet a little, and suddenly his English wasn't so good."

**REP. SAM FARR (LEFT)
AND WHITE HOUSE CHIEF
OF STAFF LEON PANETTA
ARE CONSCIENTIOUS
OBJECTORS IN A
WASHINGTON-SPONSORED
WAR ON NATIONAL MARINE
SANCTUARY BUDGETS.**

The couple reported the incident to the U.S. Coast Guard when they arrived in Florida and later discovered through their own research that the cruise liner had probably violated the MARPOL Treaty, an international convention banning the dumping of plastics from ships. After months of badgering uninspired Coast Guard officials, the Levetts went public, appearing on NBC's "I Witness Video" in April 1992. Within days, the Coast Guard contacted the

Justice Department, and criminal proceedings began against Princess Cruise Lines. The company pleaded guilty one year later and forked over \$500,000 in fines, half of which, by law, went to the Levetts.

"Congress put that incentive in the law because they need citizens' help to enforce the treaty," Alvin Levett says. "People tell me there are lots of folks hanging their fannies over the ship rails these days and holding video cameras."

★ LEON PANETTA AND SAM FARR

Passing the torch.

Last July, with the U.S. House of Representatives slicing and dicing government programs, ocean lovers were fortunate to have Rep. Sam Farr (D-Calif.) around for damage control. During an assault on the 1996 national marine sanctuaries budget—the House initially whacked it from \$12 million to \$9 million—the congressman quietly located \$2 million in unallocated fisheries grants, stepped to the House floor and proffered an amendment adding those funds to the sanctuary program. The amendment passed.

"It makes economic sense," explains Farr, whose district includes the Monterey Bay National Marine Sanctuary. "The sanctuaries attract people from all over the world. Tourists, artists, musicians. People derive inspiration from the sea."

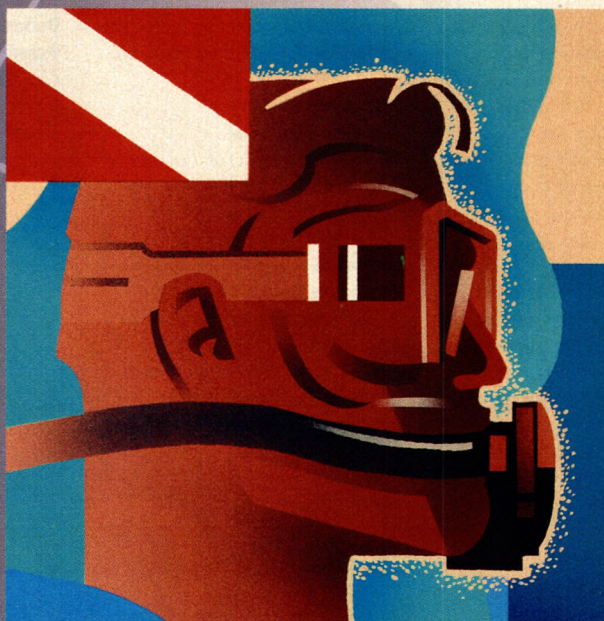
TOM WOLFF



Of course, the sanctuary program works mostly because it is a local, grassroots affair—its heroes are the hundreds of local officials, environmentalists, sanctuary employees and users who unite daily to protect the nation's 12 designated preserves. But in an era when federal budget-cutters have pinned a bull's-eye on the environment, it's refreshing to know that some Washington politicians refuse to pull the trigger. And, as home to the nation's largest marine sanctuary—Monterey Bay—California's seventeenth district seems to be a wellspring
(Continued on page 100)

Make a Difference

A Year's Worth of

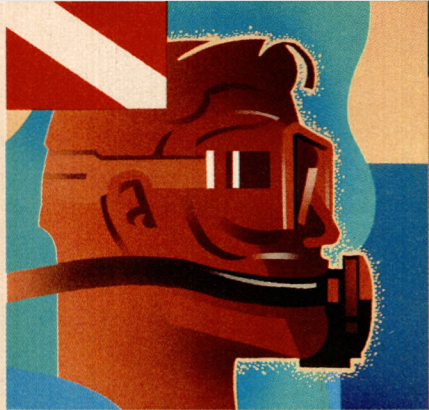


PAUL ROGERS / RITA MARIE & FRIENDS

VOLUNTEER DIVES

Want to do more under water than just blow bubbles? Want to combine the desire to travel with the desire to help? Here's a year's worth of volunteer diving opportunities, from one-day reef clean-ups to multiday trips to observe nocturnal coral spawns or establish research stations on remote islands.

Your investment of time, money and plain old hard work in these projects benefits all of us—divers and nondivers alike—who call this water planet home. And the results are tangible: healthier reefs, better-understood marine life and a lasting gift to future generations. —**COMPILED BY PAT WUEST**



JANUARY

BELIZE BIODIVERSITY RESEARCH PROGRAM

Oceanic Society Expeditions

MISSION: To collect data on fish abundance and coral diversity and abundance to determine reef health at Blackbird Caye in the Turneffe Atoll. Establish a database for assessing underwater research methods and trends in coral cover and fish abundance.

WHAT YOU'LL DO: After receiving on-site training in marine ID and habitat, volunteers count fish, determine coral and algal cover, and measure fish.

DATE AND COST: Jan. 7-13, Jan. 14-20 and Jan. 21-27, 1996. \$1,775 (includes airfare from Miami or Houston) or \$2,060 (includes airfare from Los Angeles).

INCLUDES: On-site training, accommodations and meals, diving and oceanographic research diver certification.

PREREQUISITES: Proof of certification.

WHY DO IT: This is a seascape worth escaping to, and deserving of the research attention.

FEBRUARY

BELIZE BIODIVERSITY RESEARCH PROGRAM

Oceanic Society Expeditions

Feb. 11-17, 1996.*

MARCH

PROJECT REEF SPAWN '96, BONAIRE *Oceanographic Expeditions*

MISSION: Observe and document sponge spawning and conduct oceanographic testing.

WHAT YOU'LL DO: Be a Peeping Tom and advance invertebrate zoology at the same time. Some Caribbean reef sponges release clouds of sperm to be swept toward other same-species sponges, in a scattershot form of reproduction. Voyeuristic volunteers are needed to observe this

mass spawning, take photographs, conduct a reef-fish census and clean up the reef.

DATE AND COST: March 15-22, 1996. Cost to be determined at a later date.

INCLUDES: Transportation, accommodations, breakfast and dinner, oceanographic research diver certification, tanks and weights, scientific gear, membership in the Reef Environmental Education Foundation.

PREREQUISITES: 25 logged dives (including at least three night dives); underwater photography/video skills helpful.

WHY DO IT: The oceanographic and biological data you'll be collecting will become the baseline standard that scientists and institutions will use in their research.

BELIZE BIODIVERSITY RESEARCH PROGRAM

Oceanic Society Expeditions

March 18-24, 1996.*

APRIL

HONDURAS CORAL REEF SURVEY PROJECT

Oceanic Society Expeditions

MISSION: To evaluate coral diversity and establish a species population baseline in the Bay Islands.

WHAT YOU'LL

DO: Con-

duct visual surveys and map and assess species abundance and population percentages.

DATE AND COST: April 6-13, 1996. \$1,735 (includes airfare from Miami or Houston) or \$1,965 (includes airfare from Los Angeles).

INCLUDES: On-site training in coral species ID, accommodations and meals.

PREREQUISITES: Proof of certification. Underwater photography experience helpful.

WHY DO IT: The baseline data you'll be collecting is critical to monitoring the effects of development on the marine environment in the Bay Islands.

BELIZE BIODIVERSITY RESEARCH PROGRAM

Oceanic Society Expeditions

April 1-7, April 7-13 and April 14-20, 1996.*

PROJECT REEF SPAWN '96, BELIZE *Oceanographic Expeditions*

April 11-18, 1996.*

MAY

MAUI'S THREATENED REEFS *Earthwatch*

MISSION: To conduct baseline fish and coral surveys and document present diversity to compare to future baseline censuses.

WHAT YOU'LL DO: Dive twice a day in shallow water off Maui, Kahoolawe and Lanai. Document fish and coral species every 16 feet along a 165-foot transect.

DATE AND COST: May 1996 (from 10 days to two weeks). \$1,795.

INCLUDES: Food and lodging in Kihei, snorkeling trip and staff lectures.

PREREQUISITES: Divers only.

WHY DO IT: If this is Paradise, then the Garden is in trouble: Reefs along the western Maui coastline are stressed from human activity, including snorkeling and diving. Scientists are anxious to know if the reefs can recover and what strategies can be employed to protect this ecosystem.

RICK SAMMON



SAVING CHINA'S REEFS

Earthwatch

MISSION: To study the relationships between fish and coral of the threatened reefs off the Hainan Province.

WHAT YOU'LL DO: Volunteer time will be split between gathering field data, classifying sampled specimens and helping in data reduction.

DATE AND COST: May 1996 (from 10 days to two weeks). \$1,695.

INCLUDES: Food and lodging.

PREREQUISITES: Divers only. Computer programming skills a plus.

WHY DO IT: This is one of Earthwatch's newer projects. Scientists are working to determine the sources of pollution threatening these reefs.

BRITISH VIRGIN ISLANDS FIELD SURVEY Reef Environmental Education Foundation

MISSION: To educate recreational divers in marine life ID and underwater surveying skills in order to build and maintain a marine life biodiversity database for reef ecosystems and to act as a support network of underwater observers for scientific, environmental and management concerns.

WHAT YOU'LL DO: Two survey dives each afternoon and two optional night dives, recording identified species and sketching and taking notes on unidentified species. After each dive, you'll transfer sighting data to a computer scansheet.

DATE AND COST: May 4-11, 1996. Cost to be determined.

INCLUDES: Training programs on marine life ID and habitat, meals and accommodations.

PREREQUISITES: Certified divers with open-ocean experience.

WHY DO IT: This is a dive vacation that counts—you count the fish, and your endeavor counts toward a larger effort to complete wide-scale mapping and monitoring of fish diversity in the Caribbean.

GRAND CAYMAN FIELD SURVEY R.E.E.F.

May 18-25, 1996.*

ST. CROIX FIELD SURVEY R.E.E.F.

May 25-June 1, 1996.*

PROJECT REEF SPAWN '96, ROATAN Oceanographic Expeditions

May 10-17, 1996.*

*see earlier entry for complete details

Year-round Volunteer Dives

Volusia County Reef Research Dive Team

Volusia County Dive Team

MISSION: To develop the county's artificial reef program, which takes pressure off Florida's natural reefs, for divers and sportfishermen.

WHAT YOU'LL DO: Record habitat information on the eight existing reefs 10 to 15 miles off the coast of Daytona Beach. Team members also help determine suitability of new sites for artificial reefs.

DATE AND COST: Team meets monthly from January to October to plan its monthly schedule. The required training course costs approximately \$200, and will be offered sometime in winter 1996. Dive trip costs are reimbursed after the team turns in reports to the Army Corps of Engineers.

PREREQUISITES: Open-water certification and completion of diver training course, which includes training in scientific monitoring, use of 35mm camera, two freshwater training dives and two offshore trips.

WHY DO IT: The concrete culverts, scuttled boats and Army tanks may be imitation reef substrate, but there's nothing fake about the marine life that sets up housekeeping on artificial reefs. Data collection depends on local volunteers.

Palm Beach County Reef Research Team

Florida Oceanographic Society

MISSION: To collect data on both natural and artificial reefs off Florida's Palm Beach County and to make the information available to the scientific community. To develop educational programs that increase the public's awareness and enhance understanding of the reef environment.

WHAT YOU'LL DO: Assist in surveys prior to deployment of new artificial reefs and map and monitor existing ones. Tasks include taking fish censuses, underwater mapping and underwater video.

DATE AND COST: Team meets the third Wednesday of each month and dives on the Saturday following the meeting. Dives are \$10 for members, \$25 for nonmembers. To join the team, a diver must join the Florida Oceanographic Society (\$40/year) and pay a one-time training fee of \$60.

PREREQUISITES: Advanced open-water certification (most dives are deep—80 to 100 feet—and on wrecks). All research divers must complete a six-session training program (six classroom sessions and six dives) that teaches scientific methodology, physical

data collection, underwater mapping, biological sampling and fish ID.

WHY DO IT: Florida's reef research dive teams are made up of a loose network of volunteers who have taken responsibility for upkeep of the state's reefs. If you live in or near Palm Beach County, you can volunteer close to home.

The Philippines Reef and Rainforest Project Coral Cay Conservation

MISSION: To establish a field research center on Danjagan Island to facilitate research, education and training programs. The Philippine Reef and Rainforest Foundation has purchased the island and wants to develop a management plan to protect the island's natural resources on a sustainable basis.

WHAT YOU'LL DO: Conduct marine surveys around Danjagan Island and work alongside Filipino volunteers and marine biologists.

DATE AND COST: Presently ongoing; dates and costs for 1996 expeditions were not available

at press time.

INCLUDES: Cost will include airfare, meals and accommodations.

PREREQUISITES: Certified divers, preferably advanced open-water.

WHY DO IT: Because if you don't, you'll miss more than 500 species of soft and hard corals, 2,400 varieties of fish, thousands of shellfish species and five species of marine turtles.

The Great Atlantic Barrier Reef of Belize Coral Cay Conservation

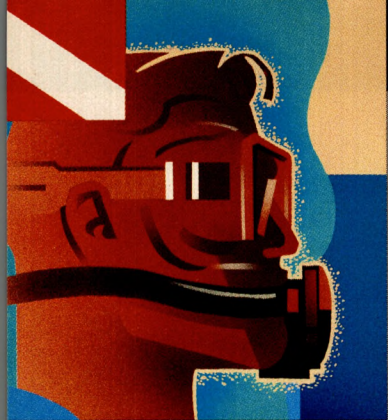
MISSION: To survey the reefs, lagoons and islands of Turneffe Atoll and the Belize barrier reef and develop an integrated national coastal zone management plan to protect critical marine habitats and ensure that fishing and tourism are monitored and controlled on a sustainable basis.

WHAT YOU'LL DO: Take marine surveys throughout Turneffe Atoll, assist in the development of the University College of Belize's Marine Research Center, help train Belizean students and maintain the expedition campsite.

DATE AND COST: Monthly departures: 1 month, \$2,250; 2 months, \$3,720; or 3 months, \$4,650.

INCLUDES: Transportation, meals and lodging (excluding airfare to and from Belize).

(Continued on page 99)



JUNE

CARIBBEAN SHIPWRECK

Earthwatch

MISSION: Underwater archaeological dig on a 17th-century vessel off the coast of the Dominican Republic to determine its origin, and reasons for its journey and demise.

WHAT YOU'LL DO: Archaeological digs are not as glamorous as *Raiders of the Lost Ark*—the work is methodical and often painstakingly slow. You'll retrieve artifacts, and analyze, identify and catalog cargo. Expect to spend three hours a day under water and three hours in the lab. You'll sort artifacts, record observations, and enter data in the permanent field notebook, including sketches and detailed measurements.

DATE AND COST: June 1996 (from 10 days to two weeks). \$1,695.

INCLUDES: Camp on Cabra Island in two-person tents, and experience the thrills of sun shower bags and pit toilets. Food is included, but you'll do the grocery shopping.

PREREQUISITES: Equal employment opportunity: Divers and non-divers needed.

WHY DO IT: This is "Mystery Underwater Theater": Where did the Monte Cristi "Pipe Wreck" come from? Was it involved in the black market trade of the

17th century? Why did it sink in only 16 feet of water?

MAUI'S THREATENED REEFS

Earthwatch

June 1996 (from 10 days to two weeks).*

SHARK BIOLOGY, WALKERS CAY, BAHAMAS

Oceanographic Expeditions

MISSION: Looking for an expedition that's a little on the wild side? Try field research on blacktip and Caribbean reef sharks.

WHAT YOU'LL DO: Observe shark behavior and conduct oceanographic testing.

DATE AND COST: June 7-11, 1996. Cost to be determined.

INCLUDES: Transportation, accommodations, breakfast and dinner, tanks and weights, scientific gear, membership in the Reef Environmental Education Foundation.

PREREQUISITES: 25 logged dives (including at least three night dives); underwater photography/video helpful.

WHY DO IT: The elasmobranch vacation video will excite even your neighbors. Plus, you get to contribute data necessary for a better understanding of shark movement, migration and behavior to enable informed shark management plans and quotas for shark fisheries.

BELIZE BIODIVERSITY

RESEARCH PROGRAM

Oceanic Society Expeditions

June 16-22, June 23-29 and June 30-July 6, 1996.*

BONAIRE FIELD SURVEY

R.E.E.F.

June 1-8, 1996. This expedition requires prior field survey participation or extensive survey experience.*

KEY LARGO FIELD SURVEY

R.E.E.F.

June 15-22, 1996.*

TURKS & CAICOS FIELD SURVEY

R.E.E.F.

June 29-July 6, 1996.*

REEF SWEEP, BROWARD COUNTY, FLA.

Ocean Watch

MISSION: Clean up reefs off South Florida's Broward County.

WHAT YOU'LL DO: You'll be a reef sanitation engineer. Last year, volunteers hauled nearly 3,000 pounds of garbage off the reef—everything from boat batteries to a wheelchair.

DATE AND COST: June 8, 1996. Volunteers make their own arrangements with local dive operators to get out to the reefs.

WHY DO IT: This is a no-brainer. Debris hurts the reef. Fabric and plastic smother soft corals and kill fish. Batteries leech harmful toxins. Wheelchairs, grocery pushcarts and other heavy items break fragile coral heads.

JULY

MONITORING FUJI'S REEFS

Earthwatch

MISSION: To monitor the feeding and social behavior of Great Astrolabe Reef butterflyfish and develop a reef damage early detection program on Dravuni Island.

WHAT YOU'LL DO: Dive twice a day and take censuses of butterflyfish, observe feeding behavior, measure territory sizes, quantify coral abundance and produce maps of study area. Be prepared to observe Fijian law and custom, including attending church.

DATE AND COST: July 1996 (from 10 days to two weeks). \$1,995.

INCLUDES: Food and lodging at the field station on Dravuni and instruction on work and methodology.

PREREQUISITES: Divers only.

WHY DO IT: There are no cars, no pollution and no noise. It's hoped that observations of the butterflyfish feeding and social behaviors on this pristine reef—their foraging territory is related to the area of healthy coral available—will lead to early detection of reefs in trouble.

MAUI'S THREATENED REEFS

Earthwatch

July 1996 (from 10 days to two

weeks).*

CARIBBEAN SHIPWRECK

Earthwatch

July 1996 (from 10 days to two weeks).*

GREAT AMERICAN FISH COUNT

Marine Conservation Network, Channel Islands and Monterey Bay National Marine Sanctuaries, and National Biological Service

MISSION: An annual volunteer fish census in California's Channel Islands and Monterey Bay National Marine Sanctuaries that supports monitoring programs of the National Biological Service while promoting public education and awareness of our ocean environment.

WHAT YOU'LL DO: Dive teams conduct the census using underwater slates and transfer the information to standardized data forms for tabulation. Volunteers are also needed to organize training seminars, promote the event and help summarize the results.

DATE AND COST: The first two weeks in July. Seminars and training sessions begin in May and June. Free if program receives funding; otherwise, no more than \$15.

INCLUDES: Training seminar, T-shirt and survey materials.

PREREQUISITES: Certified divers, snorkelers and free divers.

WHY DO IT: Make your dives count! Results are available to participants, the scientific community and the public. The National Biological Service tabulates the results.

GUIDEBOOK PROJECT:

AKUMAL, MEXICO

CEDAM International

MISSION: To document the marine life around Akumal for a guidebook that will be donated to the Akumal Ecology Center.

WHAT YOU'LL DO: Volunteers will photograph marine life and take notes on the habitat.

DATE AND COST: July 8-13, 1996. Approximately \$800 (does not include airfare or transfers to Akumal).

INCLUDES: Photo instruction and mini-seminars on local fish and coral identification.

PREREQUISITES: Photographic experience and writing skills helpful, but not necessary.

WHY DO IT: The name says it all. CEDAM—Conservation, Educa-

Volunteer Directory

Phone numbers of organizations seeking volunteers.

CEDAM INTERNATIONAL
(914) 271-5365
CENTER FOR MARINE CONSERVATION
(813) 895-2188
CORAL CAY CONSERVATION
011-44-171-498-6248, (305) 945-6789
EARTHWATCH (800) 776-0188,
(617) 926-8200
FLORIDA KEYS NATIONAL MARINE SANCTUARY (305) 743-2437
MARINE CONSERVATION NETWORK
(510) 838-2544

OCEANIC SOCIETY EXPEDITIONS
(800) 326-7491, (415) 441-1106
OCEANOGRAPHIC EXPEDITIONS
(504) 488-1573
OCEAN WATCH (305) 467-1366
PALM BEACH COUNTY REEF RESEARCH DIVE TEAM (407) 624-9553
REEF ENVIRONMENTAL EDUCATION FOUNDATION (305) 451-0312
REEFKEEPER INTERNATIONAL
(305) 358-4600
VOLUSIA COUNTY REEF RESEARCH DIVE TEAM (904) 677-2828

tion, Diving, Archaeology, Museums—conducts expeditions on a number of fronts and, appropriately, marine scientists from a number of fields use the findings in their work.

MONTEREY BAY BIODIVERSITY AND MONITORING PROJECT

Oceanic Society Expeditions

MISSION: To conduct long-term subtidal biodiversity and monitoring of the Monterey Bay National Marine Sanctuary.

WHAT YOU'LL DO: Divers conduct video and still photo transects, and catalog plants and animals on underwater data forms.

DATE AND COST: July 25-28, 1996. \$280.

INCLUDES: Habitat education, including local marine life ID and monitoring handbook.

PREREQUISITES: Proof of certification.

WHY DO IT: Be an underwater cartographer: the goal is to map habitats inside and outside of marine protected areas in order to assess fish abundance.

BELIZE BIODIVERSITY RESEARCH PROGRAM

Oceanic Society Expeditions

July 28-Aug. 3, 1996.*

SHARK BIOLOGY, WALKERS CAY, BAHAMAS

Oceanic Society Expeditions

July 1-7, 1996.*

DOMINICAN REPUBLIC FIELD SURVEY

R.E.E.F.

July 13-20, 1996.*

KEY WEST FIELD SURVEY

R.E.E.F.

July 20-27, 1996.*

AUGUST

PROJECT REEF SPAWN '96 (FLOWER GARDEN BANKS; KEY LARGO; ROATAN; WALKERS CAY, BAHAMAS; BONAIRE)

Oceanographic Expeditions

MISSION: To observe and document coral spawning.

WHAT YOU'LL DO: Partake in a mass spawning ritual and help answer questions still nagging scientists: What triggers are necessary for mass spawning? Where do the larvae go? Is spawning in other species—for example, Christmas tree worms and brittle stars have been observed spawning at the same time as the coral in the Flower Gardens—related to coral spawning?

Plus, collect spawning samples, photograph the reef, count fish and clean up the reef.

DATE AND COST: Aug. 2-8 and Aug. 31-Sept. 6, 1996. Cost to be determined.

INCLUDES: Transportation, accommodations, breakfast and dinner, oceanographic research diver certification, tanks and weights, scientific gear, membership in the Reef Environmental Education Foundation.

PREREQUISITES: 25 logged dives (including at least three night dives); underwater photography/video skills helpful.

WHY DO IT: You get to stay up past your bedtime—on past expeditions, divers have been in the water until 3:30 a.m.

Spawning samples will be

used in reef restoration projects; collected data, video and still photography will be used to develop educational tools; and data will be used by scientists and institutions.

ISLAMORADA FIELD SURVEY

R.E.E.F.

Aug. 3-10, 1996.*

MARATHON FIELD SURVEY

R.E.E.F.

Aug. 17-24, 1996.*

BELIZE FIELD SURVEY

R.E.E.F.

Aug. 31-Sept. 7, 1996.*

MAUI'S THREATENED REEFS

Earthwatch

August 1996 (from 10 days to two weeks).*

SAVING CHINA'S REEFS

Earthwatch

August 1996 (from 10 days to two weeks).*

MONITORING FUJI'S REEFS

Earthwatch

August 1996 (from 10 days to two weeks).*

BELIZE BIODIVERSITY RESEARCH PROGRAM

Oceanic Society Expeditions

Aug. 4-10 and Aug. 25-31, 1996.*

MONTEREY BAY BIODIVERSITY AND MONITORING PROJECT

Oceanic Society Expeditions

Aug. 15-18 and Aug. 29-Sept. 1, 1996.*

SEPTEMBER

MAUI'S THREATENED REEFS

Earthwatch

September 1996 (from 10 days to two weeks).*

KEY LARGO FIELD SURVEY

R.E.E.F.

Sept. 14-21, 1996. This expedition requires prior field survey participation or extensive survey experience.*

BELIZE BIODIVERSITY RESEARCH PROGRAM

Oceanic Society Expeditions

Sept. 1-7 and Sept. 8-14, 1996.*

MONTEREY BAY BIODIVERSITY AND MONITORING PROJECT

Oceanic Society Expeditions

Sept. 26-29, 1996.*

HONDURAS CORAL REEF SURVEY PROJECT

Oceanic Society Expeditions

Sept. 21-28, 1996.*

OCTOBER

AUSTRALIAN REEF CULTURE

Earthwatch

MISSION: To create a management plan to restore healthy coral reefs and rehabilitate damaged ones.

WHAT YOU'LL DO: Volunteers collect eggs and sperm of six species of hard corals during the mass spawning—likered to an underwater snowstorm—at Nelly Bay off Magnetic Island's southeastern side. Deploy plankton nets. Measure water quality. Return coral colonies to collection sites. You'll put in long hours of sustained, high-quality observations for up to four consecutive nights. You'll also have land-based tasks: preparing lab and sampling equipment, preparing data sheets and assembling data.

DATE AND COST: October 1996 (from 10 days to two weeks). \$1,695.

INCLUDES: Food and lodging in cabins, and two days of orientation.

PREREQUISITES: Half the team are divers, the other half are snorkelers.

WHY DO IT: Scientists take the eggs and sperm you've collected and incubate them at the Great Barrier Reef Aquarium. By studying larval development, scientists hope to take coral recruits and resettle them successfully on damaged reefs.

MONTEREY BAY BIODIVERSITY AND MONITORING PROJECT

Oceanic Society Expeditions

Oct. 3-6, 1996.*

BIMINI FIELD SURVEY

R.E.E.F.

Oct. 12-19, 1996.*

NOVEMBER

BELIZE BIODIVERSITY RESEARCH PROGRAM

Oceanic Society Expeditions

Nov. 17-23, 1996.*

DECEMBER

BELIZE BIODIVERSITY RESEARCH PROGRAM

Oceanic Society Expeditions

Dec. 15-21, 1996.*



RICK SAMMON

*America's most
controversial environmental
writer has a message
for politicians,
conservationists and divers:*

GET REAL

An
Essay
by

GREGG EASTERBROOK





FLAG PHOTO BY PETER POULDESTON; STONE IMAGES; DIGITAL ILLUSTRATION BY GEOFF STEVENS

Listening to this year's environmental debate in Washington, you may wonder if we're all living on the same planet. The political right claims ecological regulations have gone haywire. The political left declares that total environmental destruction is just around the corner.

Neither the right nor the left shows much interest in the most important environmental news of our generation—that in Western nations, pollution has begun to decline. The political right doesn't want to hear this good news, because it shows that federal environmental regulations can do good things. The political left doesn't want to hear this good news, because it suggests that people and nature can coexist in a constructive way.

Is there no political middle ground on the environment? So far there isn't—and the lack of a reasonable middle-ground approach ought to be a major concern for those who care about resources such as the world's oceans. A central objective of 21st century ecological thought must be to find policies that allow environmental resources, such as the oceans, to be used and protected simultaneously. That requires centrist thinking—exactly what is missing from most current debates about the environment.

A New Approach

I long for a view of environmentalism based on the premise that nature is not fragile but extremely robust, and yet one that acknowledges that an industrial economy must enforce strict rules to protect water and air. I long for a view of environmentalism that allows men and women to interact freely with the ecology and feel no guilt as they do and yet at the same time curbs pollution to negligible levels and enacts broad policies to conserve species and habitats. These views represent a new approach to the environmental debate: one I call "ecorealism."

ENVIRONMENTAL PROTECTION IS THE LEADING SOCIAL ACHIEVEMENT OF

Ecorealism ought to be an attractive notion to divers and anyone else who regularly uses the world's water environments. Divers must believe that it is acceptable for human beings to employ ocean habitats for recreation and research. And indeed it should be. The orthodox environmental view that nature is only safe when kept rigidly separate from human beings is disjunct from the realities of nature itself. People arise from the natural scheme in the same way as other living things; people make the same claim on nature as other living things do.

People in significant numbers are here and—we hope—here to stay. Environmental thought must learn to incorporate the notion that ongoing human inter-

vide regular evidence of the danger of stepping across the line between use and misuse. Even relatively small amounts of petroleum, toxins, municipal sewage and other pollutants can do great damage to water ecosystems. And as the world is now beginning to learn, modern fishing fleet practices demonstrate that the resources of the ocean are hardly inexhaustible. Water resources must be carefully stewarded if the oceans are to continue to both sustain themselves and offer huge amounts of food.

Real Regulations, Real Results

Ecorealism presumes that strict regulation of environmental behavior is not only necessary, but will benefit human beings as much as it does nature. Consider that in the United States in 1970, the year of the first Earth Day and the founding of the Environmental Protection Agency, only one-third of lakes and rivers were safe for fishing and swimming. Today two-thirds are, and the proportion continues to rise. In this case, environmental controls have increased the value of water resources to people—Americans can today fish and swim in thousands of miles of waterways where they could not less than a generation ago.

Environmental protection is the leading social achievement of my generation—the best good news in America today. Sensible antipollution rules represent America at its very best: engineers, scientists, market economists and citizen activists getting together, rolling up their sleeves and getting a job done.

A prime example is Boston Harbor, described by George Bush during the 1988 presidential campaign as the dirtiest in the United States. Today the harbor has begun to recover so thoroughly—thanks to a wastewater treatment plant that began operations in 1990—that most of the harbor is once again safe for swimming. At its present rate of improvement, Boston Harbor water is on the way back to its preindustrial quality level. Yet Boston's economy still booms, Bostonians still have plenty

of water for showers and their lawns, industries around Boston can once again obtain new sewer-connection permits, boats still ply the harbor for recreation and commerce. The people of Boston and the aquatic systems of Boston Harbor have arrived at a sensible, affordable truce. This sort of ecorealistic outcome can be achieved anywhere men and women take reasonable steps to protect nature.

In fact, since 1970, the United States has undergone a vital "proof of concept" experiment in the ability of nature and an industrial society to coexist. In 1970, most intellectuals writing on ecological affairs believed that trends were irreversibly negative: that smog, water pollution and species loss would worsen unstoppably unless the materialist economy were largely shut down.

Instead, smog and water pollution have declined since 1970, even as industrial output has expanded. A positive swing in environmental statistics seemingly began the day antipollution regulations were imposed.

And in 1970, most commentators expected that hundreds, if not thousands of species in the United States would be driven to extinction in coming decades. Instead, since the Endangered Species Act was passed in 1973, only seven of listed creatures have vanished, while the bald eagle and gray whale have recovered in spectacular fashion, and other creatures such as the peregrine falcon and the sea lion have shown population surges.

Such progress—much of it achieved despite industry dragging its feet and excessively cumbersome regulations—indicates that nature and an advanced economy are not incompatible. Far from it. As new environmental regulations increasingly center on market forces and voluntary choice, the pace of environmental progress should accelerate anew.

Pollution: No Turning Back

Such thinking is especially important in 1995, as some lawmakers propose rolling back many of the very protections that are creating positive environmental trends. Last spring, the House of Representatives passed a new version of the Clean Water Act that, rather than streamlining water programs and cutting paperwork, would turn back the clock to allow some forms of river and offshore pollution to resume. Even an ecorealist who thinks that reports of a natural doomsday



■ In the United States in 1970, only one-third of lakes and rivers

were safe for fishing and swimming. Today two-thirds are, and the proportion continues to rise.

actions with nature are both inevitable and not necessarily bad, considering that nature existed in a state of flux before human beings came along, and would surely continue in flux if people somehow magically disappeared. It's a fallacy to think that the "correct" state for the environment excludes humankind, since humankind itself evolved from the natural scheme. By positing that people and nature belong together, ecorealism offers an alternative to the idea that people should be prohibited from bringing themselves, and the products of their technology, into natural habitats.

And yet anyone who dives must also believe that human activity should be regulated to prevent pollution and other damage to species and habitats. Use of the environment is fine; misuse is not. Vast and rich as they are, the oceans pro-

MY GENERATION—THE BEST *good news* IN AMERICAN SOCIETY TODAY.

are exaggerated ought to be shocked by Congress allowing any form of pollution to resume.

In 1992, the United States ended the practice of ocean disposal of sewage sludge by major cities, when the last load of New York City sewage sludge slithered off the barge *Spring Book* at an Atlantic Ocean disposal point off Cape May, N.J. No other nation in the world treats all its wastewater before discharge. Even the affluent countries of the European Union continue to dump raw sewage sludge directly into the ocean. Ending this practice is both a necessity for ocean protection, and the sort of achievement in which Americans ought to take pride. Finding technical alternatives to dumping sludge into the ocean (such as converting sludge to fertilizer) represents the American can-do spirit at its best. The ocean-dumping ban and other forms of point-source controls on industry have reduced pollution of both the East and West Coasts steadily in the past decade, National Oceanographic and Atmospheric Administration statistics show. Yet under the roll-back version of the Clean Water Act passed in the House, some types of ocean dumping would resume. What sense does it make to allow the resumption of any form of pollution that has been stopped?

Though some progress such as the U.S. ocean sludge dumping cessation has been achieved, there are still many unknowns about ocean environmental trends. As former NOAA chief scientist Sylvia Earle points out in her excellent new book, *Sea Change*, nearly all environmental protection initiatives thus far have been focused on the land, where people live. Little is known about many basic ocean environmental questions, such as why many marine creatures seem to undergo cycles of population boom and bust.

"Bust" is the right word for a large number of ocean fish species now being commercially hunted. Due to drift-net and fish-factory approaches to harvesting, many commercial fish species are now classified as "severely depleted" by the United Nations Food and Agriculture Organization. Global rates of commercial ocean fishing have more than quadrupled, from an estimated 20 million tons of catch in the late 1940s to an estimated 90 million tons today. Today's catch level is almost certainly not sustainable. Already there are signs of impending fish population crashes in Atlantic cod and

Pacific salmon.

Overfishing is a classic "tragedy of the commons." Since no one owns the oceans or takes responsibility for them, individual parties may benefit from grabbing every last fish until the entire system collapses. Because the oceans are a commons, protection of fish stocks and other important ocean resources can come in one of only two ways.

Either property rights must be carved out of the oceans, giving owners a self-interest in conservation; or strict international regulations must be proposed. Private ocean ownership, though attractive to some market economists in theory, seems unlikely to work except in coastal areas. That leaves effective international regulation of the ocean environment as the most attractive course. The first glimmer of hope came this summer, when most major fishing nations agreed to a United Nations treaty restricting fish-catch levels. Though the treaty, if ratified, would control only a fifth of the world's fish species, it represents a model on which a range of ocean-resource agreements may someday be based.

The Oceans Tomorrow

What is required for protection of the oceans in the coming century? One priority is to end the ocean dumping of nuclear wastes and hardware, a common practice during the height of the Cold War. The United States sank an estimated 107,000 tons of low-level nuclear wastes at sea before Congress banned the practice in 1970. Other Western nations suspended ocean dumping of nuclear wastes in the early 1980s under the London Convention. Though the former Soviet Union signed the agreement, it kept dumping wastes until late 1993, when a Russian naval vessel released some 900 tons of low-level nuclear waste into the Sea of Japan. Since then Russia says it has abided by an anti-dumping moratorium.

In a sad twist, the U.S. Department of Defense declared in 1993 that it wished to resume sea dumping of nuclear wastes, giving as its reason the continued environmental opposition that has blocked the opening of a planned nuclear disposal facility in New Mexico. Most diplomatic observers now expect, however, that an international treaty upholding the ban on the ocean disposal of nuclear wastes will be finalized in the 1990s.

For divers and other recreational

users of the oceans, continued progress against pollution will be another priority in coming decades. When it comes to limiting coastal pollution, divers should let their representatives and senators know they oppose the revision of the Clean Water Act that passed in the House last winter, and is now being considered in the Senate. This "revision"—really a roll-back—would allow some ocean dumping of sludge to resume. It would also lessen pressure against farmers to reduce pesticide runoff to waterways and would grant cities more leniency in discharging the pollution that washes off streets during rainstorms into waterways.

Because the current state of ocean protection is poor, and because many impoverished nations that pollute the oceans will continue to do so in the immediate future, it may seem as though the world's seas, unlike the air and water of the United States, are consigned to a spiral of decline. This would certainly be depressing news to divers.

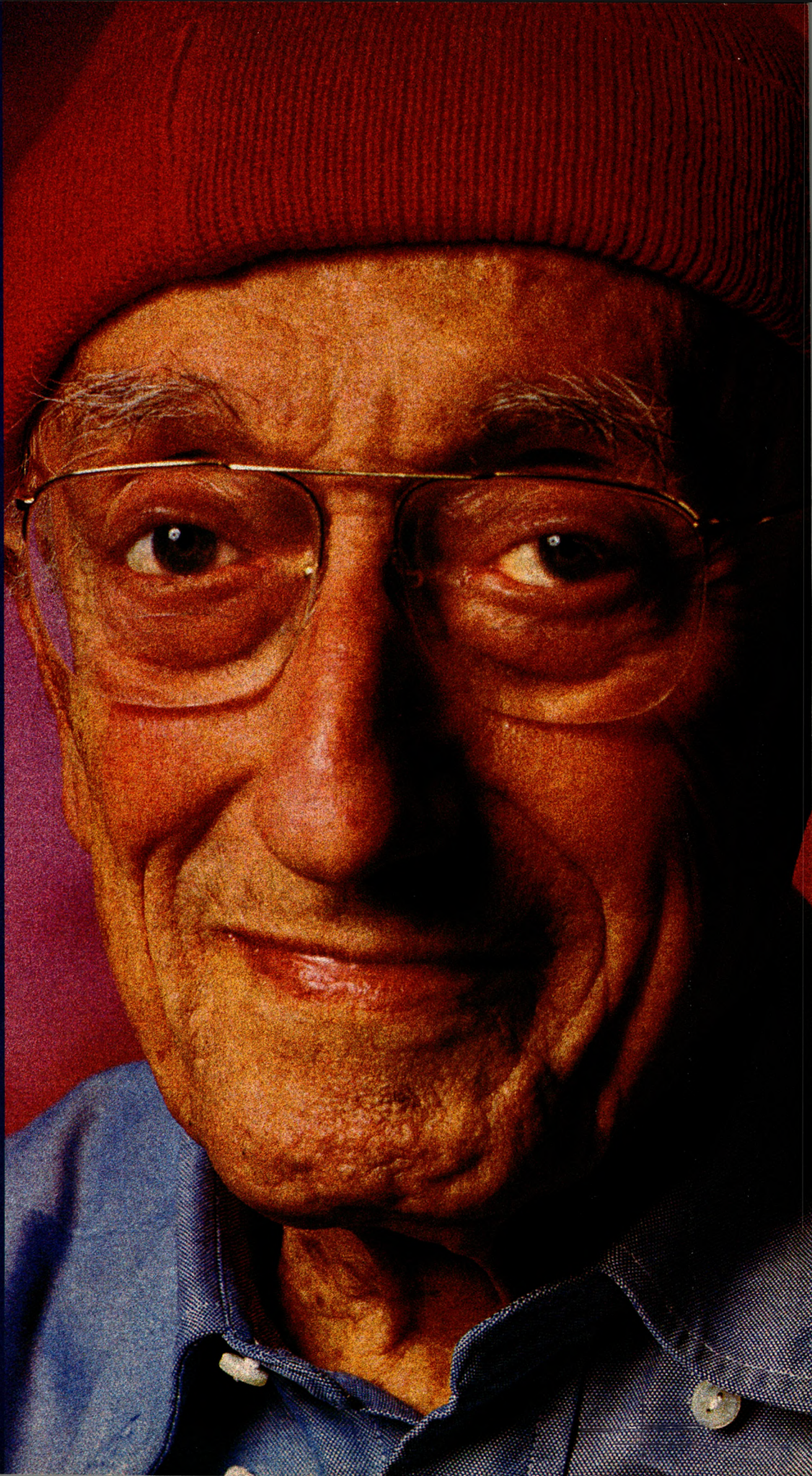
But consider that 25 years ago it was widely assumed that the water and air of the United States were locked into decline. Then rigorous environmental controls were attempted and, despite many flaws and foibles, these programs began to show results almost immediately. By the way nature measures time, the reversal of U.S. pollution trends occurred overnight.

The message: nature is set up to recover rapidly from ecological abuse and will do so before our eyes if we have the sense to stop the pollution that we make today and clean up the pollution we made in the past. In turn, if developing world nations acquire the means to begin rigorous environmental protection programs in the next century, those nations may achieve the same level of success now seen here. A positive global environmental trend does not exist today, but now can be imagined based on the results of the first 25 years of environmental protection in the West. People, machines and nature can learn to work together for their mutual benefit. That notion may not appeal to either the political right or left in Washington. But it should be very appealing to all the rest of us. ☉

Gregg Easterbrook is a contributing editor of The Atlantic Monthly. His current book, A Moment on the Earth: The Coming Age of Environmental Optimism, is published by Viking.

JACQUES

GOULSTEAD



THE INTERVIEW

Jacques-Yves Cousteau is to the oceans what the Wright Brothers are to the sky: he put us there. His name accompanies most firsts in diving: the first scuba dive (1943), the first cave dive on scuba (1943), the first underwater camera for television (1952). Indeed, "The Undersea

World of Jacques Cousteau" remains one of the most popular series in the history of television—and an inspiration to generations of divers.

Today, at age 85 he's still an unstoppable force of nature. The night before this interview he had arrived from Madagascar and the next day he was on his way to China to launch a new Cousteau Society expedition. In between he was finishing work on the petition for the Bill of Rights for Future Generations, which is to be presented along with nine million signatures to the United Nations in November.

These days, Cousteau's distinguished scientific career has an increasingly urgent and activist agenda. The alarming deterioration in this planet's water system—our amniotic fluid—has made, he believes, the human race an endangered species.

Rail-thin as always, in his ice-blue eyes there still burns the fierce determination and unquenchable curiosity that have made him one of this century's great explorers and godfather to everyone who's ever donned a tank and tasted the sweet breath of a regulator. As I sat next to him on the couch in the photographer's New York City studio, taxis blaring as they plied the concrete rivers below, I couldn't help it: That taunting phrase we've all heard from nondiving friends suddenly played in my head, "Who do you think you are? Jacques Cousteau?"

**TO EARTHBOUND
MAN HE GAVE
THE KEY TO THE
SILENT WORLD.
NOW COUSTEAU
ASKS: WHAT
HAVE WE DONE
WITH IT?**

BY DAVID TAYLOR

Rodale's Scuba Diving: Last January I was diving with a videographer you've worked with several times, Ramon Bravo, in Isla Mujeres, the Yucatan. He said he believed the world's best coral reef diving right now was in the Red Sea, off the Sudan, because it has seen so little activity in the last 20 years.

Cousteau: I never try to know what is the best. I enjoy everything. There is some good diving in Sudan, yes. The biodiversity of coral in the Red Sea is far less than in the Indian Ocean, where I just was on my recent trip to Madagascar.

RSD: What dives stood out as most memorable for you there?

Cousteau: I enjoy everything. Even dull dives teach me a lot of things. In places where there is no coral or no fish, there is always something else. There is life within the sediment. I am fascinated by everything on each dive, the same as I am fascinated by walks in the country. Each is special.

RSD: You had a memorable free dive in 1936, at the age of 26, when you wore a pair of Fernex goggles for the first time and peered below the surface. You wrote: "Sometimes we are lucky enough to know that our lives have been changed, to discard the old, embrace the new and run headlong down an immutable course. It happened to me on that summer's day, when

my eyes were opened by the sea."

Cousteau: It was an important moment. The contrast between the streetcars above and the fish below I had never seen, as I changed my angle of view—that was important to me. But I was happy in exploring diving since the age of 13.

RSD: Even at the lake in Vermont?

Cousteau: That was at the age of 10. But not only there. Also in Cannes. I had many experiments. At that time fins did not exist and the goggles were crude—they were like the ones worn by Asian pearl divers. That's all that was available, and even so they were rare. No fins, no mask, nothing.

RSD: That moment led to a lifetime of exploration, a lifetime of being "amazed by nature and dazzled by life," as you've written. At what point did your desire to explore the underwater world become a desire to protect it?

Cousteau: Not one experience. We were diving, the three of us—[Philippe] Tailliez, [Frédéric] Dumas, myself. We were

interested in exploring, discovering what scuba diving was, this new "aqualung" diving. It was over three or four years that we saw every time we were going somewhere it was a little less rich in life. So we tried to investigate why and we discovered that it was because of those fishing along the coast against regulations. Some were using dynamite from World War II, et cetera, et cetera. But the realization came progressively.

RSD: Does the Bill of Rights for Future Generations address some of these problems? Could you tell our readers about your work on this initiative?

Cousteau: With pleasure. We created The Cousteau Society in America on the first of January, 1974. Soon after that we created an advisory council of top-notch scientists from various disciplines, and we met with these people over several years. For 15 years we tried to analyze why the waters were getting more polluted, why the environment was being constantly damaged. We came to the conclusion that it was because the decision makers were only making their decisions considering

the near future. They had never balanced seriously the consequences of their decisions with what could happen over the medium range, long range and very long range. We came to the conclusion that those who were going to suffer the most were the future generations.

RSD: Unless we do something.

Cousteau: Yes. They have to be protected by some kind of declaration, the same as the values of humankind—fraternity, equality, et cetera—are protected by the three declarations of human rights—one is French, from the French Revolution, one is the foundation of America, and the third one is the foundation of the United Nations. Each declaration of human rights does not mention the future generations. It only defends the rights of people living today. It also does not mention the duties that rights automatically imply. I think if you have the right to do something, you automatically have the duty to preserve it for others.

RSD: What was your first step in get-

ting the Bill of Rights initiative up and running?

Cousteau: The advisory council named a committee of five, including me, to write the draft of the Declaration for Future Generations in order to ensure that we would think about the consequences, the long-range consequences. I took this document and went to see the Secretary General of the United Nations. At the time he received me courteously and said to forget about this declaration. He told me, "You have to have several heads of state to stand for your declaration and present it to a number of organizations." So I said thank you and went to my own French leaders at the time, who said, "Oh, that's fine," but they did nothing.

RSD: What then?

Cousteau: Well I said, dammit, we are suffering more and more from these things. The governments are building up debts that will have to be paid by the coming generations. We are destroying the environment, but who suffers? Future generations will pay the price. So

COME SEE WHY BELIZE is One of the 7 Underwater Wonders of the World



- The World's Second Largest Barrier Reef.
- Variety of Corals and Hundreds of Species of Fish.
- The Famous Blue Hole, Measuring 1,000 Feet in Diameter and 480 Feet in Depth.


BELIZE

Belize Tourist Board
421 7th Ave., Suite 701 NY, NY 10001
1-800-624-0686
212-563-6011, FAX 212-563-6033

I took the text and turned it into a petition. It was very successful when it started three years ago. We got over three million signatures in France alone. Since then we've gotten signatures from most parts of the world, some of them very successful, like Brazil. And we are now at more than nine million signatures. UNESCO is taking this into consideration and is preparing to submit this text to the United Nations this year in November. So that's where we stand and we hope it will be working.

RSD: Many readers also wonder at times if their activities as divers—since they're the ones who stay in dive resorts that crowd shores and use the diesel-powered dive boats—hurt or help the kinds of efforts you're making.

Cousteau: It can hurt or be a blessing. Careful divers help, careless divers harm. We have tried, my company U.S. Divers has tried hard to persuade our customers to be careful. Also, I forbid the company to sell guns. So we have abandoned that field which was profitable just to make sure that we would not collaborate with

the destruction of the environment.

RSD: You're referring to underwater spearguns or are you referring to all guns?

Cousteau: Well, that's something else. Our only action was against spearguns. But I am against all guns in general, yes.

RSD: Many of our readers are active in environmental protection issues. How can these groups work more effectively with traditional antagonists, like the fishing industry, for example?

Cousteau: Public opinion can do a lot to influence the representatives in a democracy. But in order to do that they have to act together with a simple, worthy goal and express their opinion by a petition, for example, with hundreds and thousands of signatures.

But first they need to learn what the problem really is, not listen to rumors. Often rumors based on hypersensitivity have very little to do with reality. In short, people have to screen and think about their opinions, then

stick to what they feel is the truth. Once they have something that they are sure of, they have to group with people who share the same concerns and push this petition and present it to their representative, or, if possible, a head of government. If there is no follow-up, then they have to push more. Above all, people must remember that individuals, if they know how to work together, can do almost anything.

RSD: You wrote in *The Ocean Planet*, "The miracle of life defies the natural law of degradation." Yet aren't we in danger of having altered the balance of nature in favor of degradation?

Cousteau: It's irreversible. The environment is no longer what it was. We have destroyed a little more than one million species. Eradicated forever. Plants, insects, animals and birds. One million species are gone forever already. That includes 8 percent of the total number of fishes there are in nature. So it is enormous destruction that is already done.

RSD: A lot of your work is aimed toward

Curaçao

THE BREAKAWAY FROM THE EVERYDAY

WHAT A WRECK!

The Tug Boat. One of the many mysterious sunken ships in the engaging seas of Curaçao. Part of the Dutch Caribbean, the beautiful island of Curaçao has excellent visibility, steep walls and tons of colorful fish. We have over 30 miles of diving coastline to explore including our off-shore "mini island." And our top-notch PADI Five Star operators offer more than 40 different dive sites that can be reached from shore or by boat!

Teeming with lush plant life and astonishing marine life, our dense coral reef is the star of Curaçao. From the dramatic, perfectly vertical walls on the eastern end to the sloping 60 degree walls of the west end to the warm crystal clear waters, Curaçao is a diver's dream. Most react by saying, "Wow, I never thought Curaçao would have such fantastic diving."

In Curaçao, what's above the sea is as impressive as what's below. Secluded beaches, fine restaurants, casinos and hotels, world class shopping, historical landmarks and a cosmopolitan atmosphere will make your Curaçao experience complete. Curaçao, the undiscovered diving destination.

Fly the feeling of Curaçao on ALM.

For flight information and reservations call 1-800-327-7230.

For more information on Curaçao, call 1-800-3-Curaçao, ext. 634



telling children, our future leaders, about that.

Cousteau: Telling children. You will be interested to know that we are launching a magazine for children at the end of this year. We are launching this magazine in France and then in all Spanish-speaking countries, and in the two Portuguese-speaking countries, Portugal and Brazil. We also hope to launch this

magazine in America but at a later date. The magazine will be called *Cousteau Junior* and it is also going to be launched in Japan and China eventually. This is for children from 10 to 12 years old, and I saw yesterday the layout of the first test issue.

RSD: Were you pleased with it?

Cousteau: It looks like no other maga-

zine, it's interesting.

RSD: How is it different?

Cousteau: You will see. It's the way we talk to children. We don't talk to them like we talk to a cat, like in other magazines.

RSD: The *Dolphin Log* does a good job of communicating.

Cousteau: But the *Dolphin Log* is once every two months, it is only 20 pages. This one is four times as many—a serious magazine. Also, this one is published every month and it is aimed not to our Cousteau Society members, but to everybody else, the general public. It will be sold on the newsstands.

RSD: One of the things that fascinates me about your work is how it attempts to bring together two very different emotions. You wrote about your first successful scuba dive with Dumas in the French Riviera, "I looked into the sea with the same sense of trespass that I have felt on every dive." Yet one of the primary themes in your work is our need for unity with the sea. To what extent does this attempt to help all human beings overcome their sense of trespass and reunite with the sea underlie your exploration, your filmmaking, your books and your work in The Cousteau Society?

Cousteau: Well, it's more than that. There are two drives. My instinctive curiosity: I'm a committed curious person. And the second drive is my immense love of people. And by putting these two things together, curiosity of nature and love for people, it adds up automatically to ecology, or how a society affects the environment.

RSD: You wrote that you've had this curiosity for as long as you can remember, that you remember standing on a dock in France watching ships go by wondering what is holding up that ship, saying, "I wish I could see beneath it." You had such curiosity about what's under the sea even at that age.

Cousteau: It's in you. Some people are hard workers, some people are lousy, some people are curious, some people don't care. I happen to be curious by birth. ☉

David Taylor is RSD's executive editor.

Is There A Career In Diving For You?



**Supplement Your Income!
Begin a New Career at Home or Abroad!**

Pro Dive's® Career Development Programs include job placement service that can meet your goals. Since 1989, Pro Dive® has trained and placed more successful instructors than any other school in the dive industry.

Call today Toll Free 1-800-772-3483
for your PADI Career Training Catalog.
In Florida or outside the U.S. Phone or Fax 305-761-8915

Student financing
available
V.A. Approved!



Recipient of the
"Gold Medal Award" for
significant innovations
in diver education - 1991

Professional Diving Schools of Florida

801 Seabreeze Blvd., Bahia Mar Yachting Resort, Ft. Lauderdale, FL 33316

Licensed by the Florida State Board of Independent Post Secondary, Vocational Technical, Trade and Business Schools, License #79

CIRCLE NO. 77 ON READER SERVICE CARD

The Cayman Islands LEGEND OF THE WALL

by Susanne Cummings

Legend has it that the Cayman Islands were once the playground of notorious pirates like Blackbeard and Long John Silver who hid their priceless treasures on the shores of this tropical paradise. Today, you need only don a snorkel or scuba tank to discover Cayman's real treasures: the equally legendary walls, lush coral gardens and fish-filled wrecks that make her marine environment one of the most exciting and impressive in the world.

A mere 475 miles south of Miami, the Cayman Ridge descends more than a mile to the seafloor. Along this ridge, the Cayman Islands—Grand Cayman, Little Cayman and Cayman Brac—are the only three points where the summits of this submerged mountain range break the surface.

Unsurpassed in steepness, depth and coral coverage, the sheer walls off of Grand Cayman, Little Cayman and Cayman Brac are spectacular. Grand Cayman, the most developed of the three islands, is literally surrounded by drop-offs. The deep coral canyons and pinnacles at East End, the 10-mile stretch of precipice along the west side of the islands, and the southern reefs and northern walls punctuated by chutes and carpeted with gorgonians, seafans and sponges each offer their own unique form of entertainment for divers.

Little Cayman is synonymous with Bloody Bay Wall, a legendary place in its own right. Along with Jackson Bay, there are few wall diving areas that are more spectacular. An impressive diversity and abundance of fish and coral life thrive in this sun-drenched playground with no boundaries. Even more stunning is the vertical precipice that plunges 1,000 feet to the ocean floor.

(Continued on page 73)



Shant Cummings

DESIGN YOUR OWN DREAM CAYMAN DIVE TRIP

P&P

BOATS

West Walls	45' "Amazon"
North Walls	45' "African Grey"
South Walls	34' "Macaw"
Stingray City	31' "Conure"
Computer Diving	28' "Toucan"
Private Charters	28' "Parakeet"
Sail/Snorkel Trips	60' "Cockatoo"



TRANSPORTATION

Cayman Airways CALL
Condo/Hotel/Airport pickups FREE
Car Rental from \$30/Day



PARROTS LANDING

800-448-0428, ext. R.O.D.

Dive Sites: South Walls and Shallows - Palace Pinnacle, Kent's Caves, Oriental Gardens; North Wall - Ghost Mountain, Tarpoon Alley, Eagle Ray Pass, Babylon; West Wall - Hepps, NW Point, Big & Little Tunnels, Trinity Caves

Boats: Fleet of nine custom boats from 25' to 60' long including two 45-foot custom Garcias, a 42-foot jet drive and a 60-foot sailing catamaran.

Diving Services: 2-tank morning and afternoon dive \$60 each, snorkeling \$30, shore diving unlimited and free, night diving on Tuesdays and Fridays \$50, computer diving allowed, non-guided buddy diving, handicapped diver access.

Certification Services: Full open-water courses through PADI or NAUI. Referrals from PADI, NAUI, SSI and NASDS. Advanced open water through PADI or NAUI, plus Rescue, Medic First Aid, Specialty Courses and Photo.

Hotel/Diving Packages: Packages with Coconut Harbour, Sleep Inn or Seaview. Coconut Harbour - great shore diving, gear lockers, kitchenettes, pool, Blue Parrot Restaurant, on-site dive shop. Sleep Inn - modern rooms, pool, bar and grill, on-site dive shop. Seaview Hotel - shore diving, restaurant, 15





	3NTS	5NTS	7NTS
Coconut Harbor	\$387	\$634	\$882
Cayman Islander	\$300	\$490	\$660
Holiday Inn	\$387	\$634	\$882
Indies Suites	\$429	\$705	\$891
Seaview	\$312	\$510	\$708
Sleep Inn	\$334	\$547	\$759
Treasure Islands	\$368	\$603	\$838

Prices are per person based on double occupancy and include UNLIMITED DIVING, hotel gratuities and taxes.

	3NTS	5NTS	7NTS
Christopher Columbus	\$331	\$541	\$696
Grapetree/Cocoplum	\$312	\$510	\$708
London House	\$377	\$618	\$788
Tarquynn Manor	\$319	\$521	\$723
Victoria House	\$335	\$548	\$761
Villas of the Galleon	\$390	\$639	\$889

Prices are per person based on quad occupancy and include UNLIMITED DIVING, condo gratuities and taxes.

CIRCLE NO. 103 ON READER SERVICE CARD

rooms, bed 'n' breakfast atmosphere, tiki bar. 8 days/7 nights, unlimited boat dives, includes taxes, gratuities, airport transfers and midweek airfare from Miami - \$899.00. At Seaview and Sleep Inn only - 6-night package \$827, 5-night package \$718, 4-night package \$609 and 3-night package \$495. Also offer condominium packages.

Special Services: Advanced multilevel computer dives, Stingray City photo/video adventures.



"Parrots Landing has earned its elite reputation by utilizing the finest boats, the most qualified staff and by having four reefs accessible from our dock.

We have maintained this reputation simply by giving divers a variety of sites, a little extra freedom and a good price."

Dive with Parrots Landing, Grand Cayman's most elite dive facility, and you can select between 25 Hotels and Condos all along the 7-Mile Beach area.

Choose from 6 boats to take you to Cayman's amazing dive sites including the North, South & West Walls and Stingray City.

Parrots Landing even offers all-day '3 Tank' boat trips to the remote and virgin stretches off East End. Plus there are caves, grottos and a 6000' wall just a snorkel from our dive shop.

All packages include free tanks, weights & weight belts, so call us now and design your own dream dive vacation!

1-800 448 0428
Ext. 2222



PO Box 1995, Grand Cayman, BWI
Tel: (809) 949 7884. Fax: 949 0294

SUNSET HOUSE/SUNSET DIVERS

Grand Cayman

800-854-4767 or 809-949-7111, ext. R.O.D.

Accommodations: 59 rooms, standard, deluxe ocean view, plus 1-bedroom apartments, air-conditioning, private bath, telephone, TV.

Hotel Amenities: Seaharvest Restaurant serving seafood and continental cuisine, gift shop, Cathy Church Underwater Photo Gallery, freshwater pool and jacuzzi. Thatched-roof Seaside Bar.

Dive Sites: West and South walls, North Wall and East End, Stingray City.

Boats: Six boats - two 48', 20 diver capacity; two 36', 20 diver capacity; one 34', 12 diver capacity; one 31', 15 diver capacity.

Diving Services: 2-tank morning dive \$60; Stingray City dive \$45; snorkeling available \$10; unlimited shore diving with dive package; night diving \$40; computer diving, unsupervised buddy diving, hand-capped diver access, lockers, rinse tanks, on-site boat slip.



Certification Services: PADI, NAUI, NASDS full certifications, referrals, advanced and specialty courses; SSI referrals.

Diving Equipment: Sherwood BCD's (Silhouette) \$10 per day, Sherwood Magnum regulators/gauges \$10 per day, 72 cu.ft. tanks \$6.25, refills \$3.75, Mako 5415 and RIX compressors, full line of video and Nikonos cameras through Cathy Church Photo Centre.

Special Services: 3-tank all day trip to North Wall and East End dive sites \$125, photo processing at Photo Centre, daycare/babysitting services available.

Hotel/Diving Packages: From Apr 16 - Dec 15, 1996 — 8 days/7 nights (pp/do) standard \$872.50, deluxe \$942.50, deluxe oceanview \$1030.00, apartment \$1100.00; 6 days/5 nights (pp/do) standard \$617.50, deluxe \$667.50, deluxe oceanview \$730.00, apartment \$780.00; 4 days/3 nights (pp/do) standard \$362.50, deluxe \$392.50, deluxe oceanview \$430.00, apartment \$460.00. Package rates include air-conditioned accommodations, full breakfast, daily 2-tank boat trips every day except day of arrival and departure, complimentary unlimited offshore diving every day except day of departure, tanks/weights/belt, complimentary dive gear lockers, Welcome Island Rum Punch, Surprise package, taxi transfers to and from airport. Summer '96 rates per room (pp/do) — standard \$100, deluxe \$120, deluxe oceanview \$145, apartment \$165. Non-dive packages also available.

"Since 1959, Sunset House, owned and operated by divers, has dedicated itself to catering to the needs of its diving guests. Sunset Divers' on-site facilities offer guests the ultimate in convenience and service for a hassle-free dive vacation."



At Sunset House only one thing stands between you and Unlimited Diving.

You can dive right off our foreshore or from one of our 7 first-class dive boats.

The only thing to hold you back are dive tables.

DIVE TABLES
SURFACE INTERVAL TABLES

BEGIN DEPTH Feet	TIME IN MINUTES																SURFACE INTERVAL TABLES																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																														
	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355	360	365	370	375	380	385	390	395	400	405	410	415	420	425	430	435	440	445	450	455	460	465	470	475	480	485	490	495	500	505	510	515	520	525	530	535	540	545	550	555	560	565	570	575	580	585	590	595	600	605	610	615	620	625	630	635	640	645	650	655	660	665	670	675	680	685	690	695	700	705	710	715	720	725	730	735	740	745	750	755	760	765	770	775	780	785	790	795	800	805	810	815	820	825	830	835	840	845	850	855	860	865	870	875	880	885	890	895	900	905	910	915	920	925	930	935	940	945	950	955	960	965	970	975	980	985	990	995	1000	1005	1010	1015	1020	1025	1030	1035	1040	1045	1050	1055	1060	1065	1070	1075	1080	1085	1090	1095	1100	1105	1110	1115	1120	1125	1130	1135	1140	1145	1150	1155	1160	1165	1170	1175	1180	1185	1190	1195	1200	1205	1210	1215	1220	1225	1230	1235	1240	1245	1250	1255	1260	1265	1270	1275	1280	1285	1290	1295	1300	1305	1310	1315	1320	1325	1330	1335	1340	1345	1350	1355	1360	1365	1370	1375	1380	1385	1390	1395	1400	1405	1410	1415	1420	1425	1430	1435	1440	1445	1450	1455	1460	1465	1470	1475	1480	1485	1490	1495	1500	1505	1510	1515	1520	1525	1530	1535	1540	1545	1550	1555	1560	1565	1570	1575	1580	1585	1590	1595	1600	1605	1610	1615	1620	1625	1630	1635	1640	1645	1650	1655	1660	1665	1670	1675	1680	1685	1690	1695	1700	1705	1710	1715	1720	1725	1730	1735	1740	1745	1750	1755	1760	1765	1770	1775	1780	1785	1790	1795	1800	1805	1810	1815	1820	1825	1830	1835	1840	1845	1850	1855	1860	1865	1870	1875	1880	1885	1890	1895	1900	1905	1910	1915	1920	1925	1930	1935	1940	1945	1950	1955	1960	1965	1970	1975	1980	1985	1990	1995	2000	2005	2010	2015	2020	2025	2030	2035	2040	2045	2050	2055	2060	2065	2070	2075	2080	2085	2090	2095	2100	2105	2110	2115	2120	2125	2130	2135	2140	2145	2150	2155	2160	2165	2170	2175	2180	2185	2190	2195	2200	2205	2210	2215	2220	2225	2230	2235	2240	2245	2250	2255	2260	2265	2270	2275	2280	2285	2290	2295	2300	2305	2310	2315	2320	2325	2330	2335	2340	2345	2350	2355	2360	2365	2370	2375	2380	2385	2390	2395	2400	2405	2410	2415	2420	2425	2430	2435	2440	2445	2450	2455	2460	2465	2470	2475	2480	2485	2490	2495	2500	2505	2510	2515	2520	2525	2530	2535	2540	2545	2550	2555	2560	2565	2570	2575	2580	2585	2590	2595	2600	2605	2610	2615	2620	2625	2630	2635	2640	2645	2650	2655	2660	2665	2670	2675	2680	2685	2690	2695	2700	2705	2710	2715	2720	2725	2730	2735	2740	2745	2750	2755	2760	2765	2770	2775	2780	2785	2790	2795	2800	2805	2810	2815	2820	2825	2830	2835	2840	2845	2850	2855	2860	2865	2870	2875	2880	2885	2890	2895	2900	2905	2910	2915	2920	2925	2930	2935	2940	2945	2950	2955	2960	2965	2970	2975	2980	2985	2990	2995	3000	3005	3010	3015	3020	3025	3030	3035	3040	3045	3050	3055	3060	3065	3070	3075	3080	3085	3090	3095	3100	3105	3110	3115	3120	3125	3130	3135	3140	3145	3150	3155	3160	3165	3170	3175	3180	3185	3190	3195	3200	3205	3210	3215	3220	3225	3230	3235	3240	3245	3250	3255	3260	3265	3270	3275	3280	3285	3290	3295	3300	3305	3310	3315	3320	3325	3330	3335	3340	3345	3350	3355	3360	3365	3370	3375	3380	3385	3390	3395	3400	3405	3410	3415	3420	3425	3430	3435	3440	3445	3450	3455	3460	3465	3470	3475	3480	3485	3490	3495	3500	3505	3510	3515	3520	3525	3530	3535	3540	3545	3550	3555	3560	3565	3570	3575	3580	3585	3590	3595	3600	3605	3610	3615	3620	3625	3630	3635	3640	3645	3650	3655	3660	3665	3670	3675	3680	3685	3690	3695	3700	3705	3710	3715	3720	3725	3730	3735	3740	3745	3750	3755	3760	3765	3770	3775	3780	3785	3790	3795	3800	3805	3810	3815	3820	3825	3830	3835	3840	3845	3850	3855	3860	3865	3870	3875	3880	3885	3890	3895	3900	3905	3910	3915	3920	3925	3930	3935	3940	3945	3950	3955	3960	3965	3970	3975	3980	3985	3990	3995	4000	4005	4010	4015	4020	4025	4030	4035	4040	4045	4050	4055	4060	4065	4070	4075	4080	4085	4090	4095	4100	4105	4110	4115	4120	4125	4130	4135	4140	4145	4150	4155	4160	4165	4170	4175	4180	4185	4190	4195	4200	4205	4210	4215	4220	4225	4230	4235	4240	4245	4250	4255	4260	4265	4270	4275	4280	4285	4290	4295	4300	4305	4310	4315	4320	4325	4330	4335	4340	4345	4350	4355	4360	4365	4370	4375	4380	4385	4390	4395	4400	4405	4410	4415	4420	4425	4430	4435	4440	4445	4450	4455	4460	4465	4470	4475	4480	4485	4490	4495	4500	4505	4510	4515	4520	4525	4530	4535	4540	4545	4550	4555	4560	4565	4570	4575	4580	4585	4590	4595	4600	4605	4610	4615	4620	4625	4630	4635	4640	4645	4650	4655	4660	4665	4670	4675	4680	4685	4690	4695	4700	4705	4710	4715	4720	4725	4730	4735	4740	4745	4750	4755	4760	4765	4770	4775	4780	4785	4790	4795	4800	4805	4810	4815	4820	4825	4830	4835	4840	4845	4850	4855	4860	4865	4870	4875	4880	4885	4890	4895	4900	4905	4910	4915	4920	4925	4930	4935	4940	4945	4950	4955	4960	4965	4970	4975	4980	4985	4990	4995	5000	5005	5010	5015	5020	5025	5030	5035	5040	5045	5050	5055	5060	5065	5070	5075	5080	5085	5090	5095	5100	5105	5110	5115	5120	5125	5130	5135	5140	5145	5150	5155	5160	5165	5170	5175	5180	5185	5190	5195	5200	5205	5210	5215	5220	5225	5230	5235	5240	5245	5250	5255	5260	5265	5270	5275	5280	5285	5290	5295	5300	5305	5310	5315	5320	5325	5330	5335	5340	5345	5350	5355	5360	5365	5370	5375	5380	5385	5390	5395	5400	5405	5410	5415	5420	5425	5430	5435	5440	5445	5450	5455	5460	5465	5470	5475	5480	5485	5490	5495	5500	5505	5510	5515	5520	5525	5530	5535	5540	5545	5550	5555	5560	5565	5570	5575	5580	5585	5590	5595	5600	5605	5610	5615	5620	5625	5630	5635	5640	5645	5650	5655	5660	5665	5670	5675	5680	5685	5690	5695	5700	5705	5710	5715	5720	5725	5730	5735	5740	5745	5750	5755	5760	5765	5770	5775	5780	5785	5790	5795	5800	5805	5810	5815	5820	5825	5830	5835	5840	5845	5850	5855	5860	5865	5870	5875	5880	5885	5890	5895	5900	5905	5910	5915	5920	5925	5930	5935	5940	5945	5950	5955	5960	5965	5970	5975	5980	5985	5990	5995	6000	6005	6010	6015	6020	6025	6030	6035	6040	6045	6050	6055	6060	6065	6070	6075	6080	6085	6090	6095	6100	6105	6110	6115	6120	6125	6130	6135	6140	6145	6150	6155	6160	6165	6170	6175	6180	6185	6190	6195	6200	6205	6210	6215	6220	6225	6230	6235	6240	6245	6250	6255	6260	6265	6270	6275	6280	6285	6290	6295	6300	6305	6310	6315	6320	6325	6330	6335	6340	6345	6350	6355	6360	6365	6370	6375	6380	6385	6390	6395	6400	6405	6410	6415	6420	6425	6430	6435	6440	6445	6450	6455	6460	6465	6470	6475	6480	6485	6490	6495	6500	6505	6510	6515	6520	6525	6530	6535	6540	6545	6550	6555	6560	6565	6570	6575	6580	6585	6590	6595	6600	6605	6610	6615	6620	6625	6630	6635	6640	6645	6650	6655	6660	6665	6670	6675	6680	6685	6690	6695	6700	6705	6710	6715	6720	6725	6730	6735	6740	6745	6750	6755	6760	6765	6770	6775	6780	6785	6790	6795	6800

RED SAIL SPORTS PRESENTS

Adventures With "Red"



"RED" DISCOVERS A CARIBBEAN TREASURE

EXCLUSIVE OFFER IN GRAND CAYMAN!

A steal for vacation pirates . . . Red Sail Sports and the newly remodeled Clarion Grand Pavilion Hotel teamed up to offer you incredible dive package savings. Inclusive of accommodations and daily two tank dives, **4 day/3 night dive packages start at only \$279.**

Call today! Remember to mention this ad when booking to receive this special rate.

NEW PRICING IN ARUBA!

Explore some of the best wreck diving in the world with Red Sail Sports Aruba. Choose from an assortment of packages including accommodations, daily diving and more. Diving only packages are also available at unbelievable prices . . . **5 tanks beginning at \$125.**

Packages with other select resorts in Aruba and Grand Cayman are also available. Call today and discover for yourself the Caribbean's greatest dive treasure.

800-255-6425

Rates quoted for the Clarion package are per person, double occupancy valid 4/17-12/16/95. Aruba pricing is a diving only package and restrictions may apply.

American Airlines

red sail sports
ARUBA THE BAHAMAS GRAND CAYMAN HAWAII

CIRCLE NO. 104 ON READER SERVICE CARD

RED SAIL SPORTS

Grand Cayman

800-255-6425

Dive Areas: West and North sides

Boats: Two 45', 24 diver capacity; 43', 20 diver capacity; 35', 12 diver capacity; all boats have freshwater shower, rinse tanks, marine head, dive platform, camera table, cooler, water and lemonade, fresh fruit, handicapped accessibility.

Diving Services: 2-tank morning dive US\$60 + 10%, 1-tank afternoon dive US\$45 + 10%, snorkeling US\$25 + 10%, shore diving unlimited and free with dive package, night diving Tues. and Fri. US\$45 + 10%, unsupervised buddy diving allowed except for wall dives, handicapped diver access.

Certification Services: Referrals - PADI, NAUI, SSI, NASDS, HSA. PADI certification courses, open water, advanced rescue, divemaster and many specialties, Discover Scuba, four HSA staff for handicapped courses.

Hotel Diving Packages: Through Hyatt Regency, the new Westin Casuarina, Clarion Grand Pavilion, Seaview and Christopher Columbus Condos. Best buy - Seaview Hotel, (Oct. 16-Apr. 30, 1996), daily 2 tanks, night dive, unlimited shore, t-shirt, magazine subscription, 8days/7nights, \$763.

Diving Equipment: 80 cu.ft. tanks, Sherwood Brut regulators with octopus, air & depth gauges, bottom timer, Sherwood BCD's, mask, fins, snorkels.

Special Services: Video and photo services available, handicapped accessible facility, disposable cameras, housings for rent.

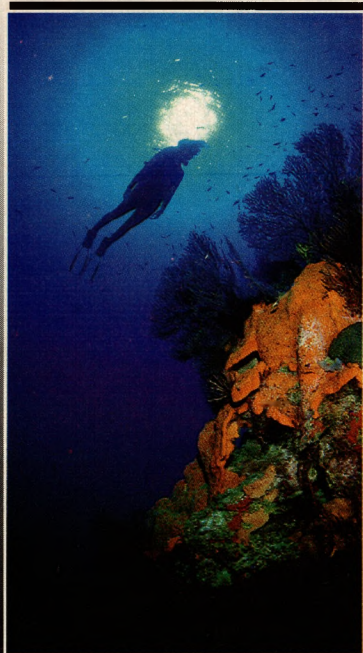
"Expect quality, pampered diving with Red Sail Sports. First-class, friendly, professional service. You need never lift a tank again."





DON FOSTER'S DIVE CAYMAN

A TRUE DIVING DEAL



There's more to getting a good deal than a low price.
It's getting high quality service at a low price.
And that's what Don Foster's is known for.

Classic Cayman Diving
Spacious, modern comfortable boats
Professional, friendly staff
Established operation
One-call-does-it-all reservations service for diving, air and hotel

Dive Packages Start at \$210.00

Call and book a trip with us and you'll find out
why divers keep coming back to Don Foster's.

800-83-DIVER

CIRCLE NO. 100 ON READER SERVICE CARD

DON FOSTER'S DIVE CAYMAN

Grand Cayman

1-800-83-DIVER, ext. R.O.D.

Dive Sites: Daily - North Wall, West Wall, Stingray City.

Boats: Three 52' boats with 22 diver capacity, 42' with 17 diver capacity, 60' with 25 diver capacity, all boats have fresh water, changing room, camera table, rinse bucket and dry storage.

Diving Services: 2-tank morning dive \$60; 1-tank afternoon dive \$35; snorkeling \$25; shore diving unlimited and free if on package; night diving Tues and Thurs with minimum of 6 divers \$45; unsupervised buddy diving allowed; handicapped diver access.

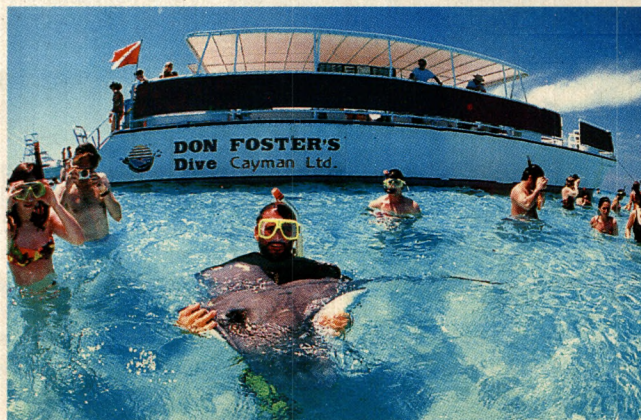
Certification Services: PADI, NAUI, SSI.

Hotel/Diving Packages: Radisson Resort on Seven Mile Beach - Super Saver Special: 8 days/7 nights/6 days diving, \$650.00 pp/do, good through December 14, 1995. 7 days/6 nights/5 days diving, \$1070.00 pp/do, good through April 14, 1996.

Diving Equipment: 400 80 cu.ft. Sherwood tanks, 80 Sherwood regs with oct. and gauges, 80 Scubapro BC's, 2 Mako compressors 28 cfm, Genesis masks, Dacor fins, Sherwood timers, Nikonos camera and assorted lenses, Ikelite strobes.

Special Services: Photo buddies, "Happy Snaps," instructor buddies, special dive rates for advance purchases, complimentary pick-up for diving (7 Mile Beach).

"Don Foster's takes pride in offering the best dive vacation possible. An experienced, friendly staff and spacious, modern dive boats are just two reasons why divers keep coming back to Don Foster's again and again."



CAYMAN DIVING LODGE

AT GRAND CAYMAN'S EAST END

A Land Based Live-Aboard Dedicated to Diving

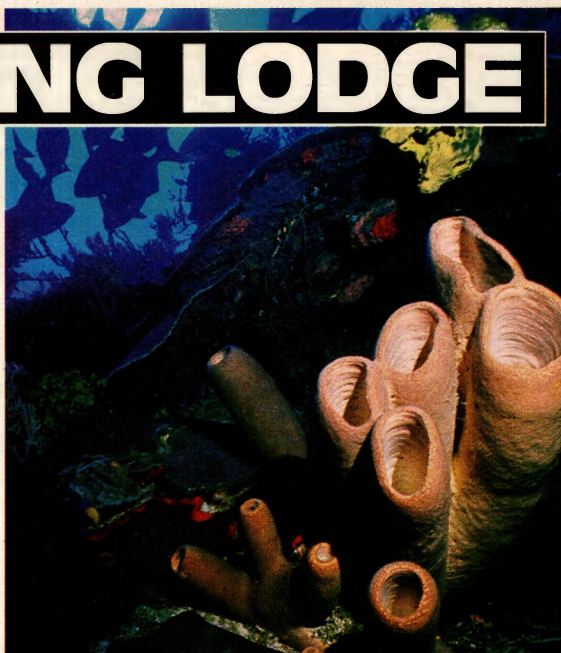
- ▶ ALL-INCLUSIVE BEACHFRONT DIVE HOTEL ON GRAND CAYMAN'S EAST END
- ▶ BEST DIVING IN THE CAYMAN ISLANDS
- ▶ OUR LIVE-IN STAFF WILL SHOW YOU THE CAYMAN OF YESTERDAY
- ▶ EXPLORE 17 MILES OF UNTOUCHED PARADISE
- ▶ ENJOY SECLUSION AND ISOLATION WITHOUT CROWDS AND CONDOS
- ▶ 2-TANK OR 3-TANK PACKAGES, NIGHT DIVES, STINGRAY CITY CRUISES
- ▶ PRIVATE CORAL SAND BEACH AND PRIVATE BOAT DOCK
 - ▶ OPEN-AIR, OCEAN-FRONT BAR AND RESTAURANT
 - ▶ TWO STATE OF THE ART 45' DIVE BOATS



**Packages include all meals,
diving, A/C rooms,
tax & gratuities.**

CAYMAN DIVING LODGE
EAST END

East End, Grand Cayman, BWI
809-947-7555 • Fax (809) 947-7560
CIRCLE NO. 98 ON READER SERVICE CARD



1-800-TLC-DIVE

U.S. and Canada

Fax (806) 798-7568

CAYMAN DIVING LODGE

East End, Grand Cayman

1-800-TLC-DIVE ext. R.O.D.

Accommodations: 14 air-conditioned rooms, private bathrooms, sliding glass doors opening onto sun decks, beachfront, ocean-side and ocean-view rooms.

Amenities: All services under one roof. Three meals daily served in beachfront, open-air restaurant/bar, boutique offering pharmacy items, gifts and dive equipment, private beach and dock, protected lagoon for swimming and snorkeling.

Dive Sites: All of the East End sites including Babylon, Snapper Hole, Iron Shore Caves, 3 Sisters, Chimney and Tunnel of Love.

Boats: Two 45', 15-18 diver capacity, large camera tables, central tank racks, separate rinse tanks for cameras and masks, fresh-water showers, water coolers, lots of room.

Diving Services: 2-tank morning dive \$60, 2-tank afternoon dive \$40, snorkeling \$15, night diving Monday and Friday \$40, computer diving allowed, unsupervised buddy diving allowed.

Certification Services: PADI certifications - open water, advanced open water, rescue, dive-master and all specialty courses.

Hotel Diving Packages: All-inclusive dive vacation packages. Best Buy - 7 nights/6 days, 12 boat dives, meals, unlimited tanks, service charges and tax \$1,105 pp/do. Will customize any combination of dives/meals/lodging into a package designed by the diver.

Special Services: Private charters, personal guides, photo shoots, dive videos.

"We are a small, inclusive diving lodge located beachfront on Grand Cayman's secluded East End. We offer the best diving in the Cayman Islands."





\$646⁵⁰ pp/do 6 days, 5 nights,
Includes: 4 days
of two-tank div-
ing on the magnificent North Wall,
complete 1 bedroom suite with
kitchen, continental breakfast, airport
transfer.

\$784²⁰ pp/do Stay 7 nights, pay
for 6! Includes: 5
days of two-tank
diving on the magnificent North Wall,
complete 1 bedroom suite with kitchen,
continental breakfast, airport transfer.

Exclusively for guests of



Dive With Friends.



Daily trips to the North Wall and Stingray City
Brand new custom dive boat just yards away
Personalized attention on an uncrowded boat
Deluxe all-suite accommodation with individual dive lockers

Call (800)654-3130 ext. ROD

Fax (809)947-5024, or write: P.O. Box 2070, Grand Cayman, BWI

CIRCLE NO. 102 ON READER SERVICE CARD

INDIES SUITES

Grand Cayman

1-800-654-3130 ext. R.O.D.

Accommodations: 38 1-bedroom suites, two 2-bedroom suites facing jacuzzi/pool. All suites have TV's, phones, full-size refrigerator, dishwasher, microwave, stove, full dining and living room, complimentary daily maid service and continental breakfast.

Rates: High season - Dec 15, 1995 - Apr 15, 1996: \$240/1 bdrm, \$290/2 bdrm; low season - Apr 15, 1996 - Dec 14, 1996: \$160/1 bdrm, \$190/2 bdrm.

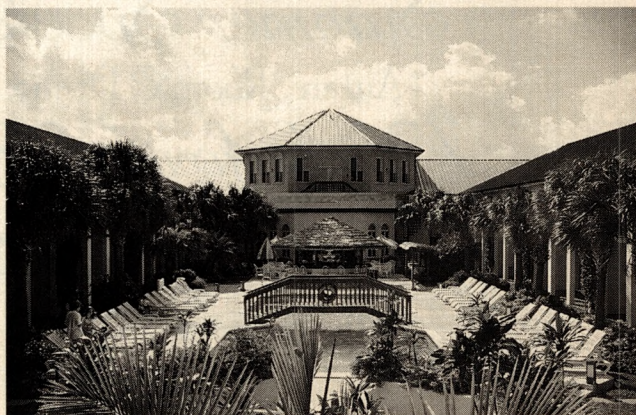
Amenities: Flying Bridge pool/cabana bar, scheduled activities and events, beautifully designed freshwater pool, jacuzzi, Wed. night BBQ and Fri. night happy hour both w/ live entertainment, complimentary sunset cruise, lobby shop/convenience store, Indies Divers.

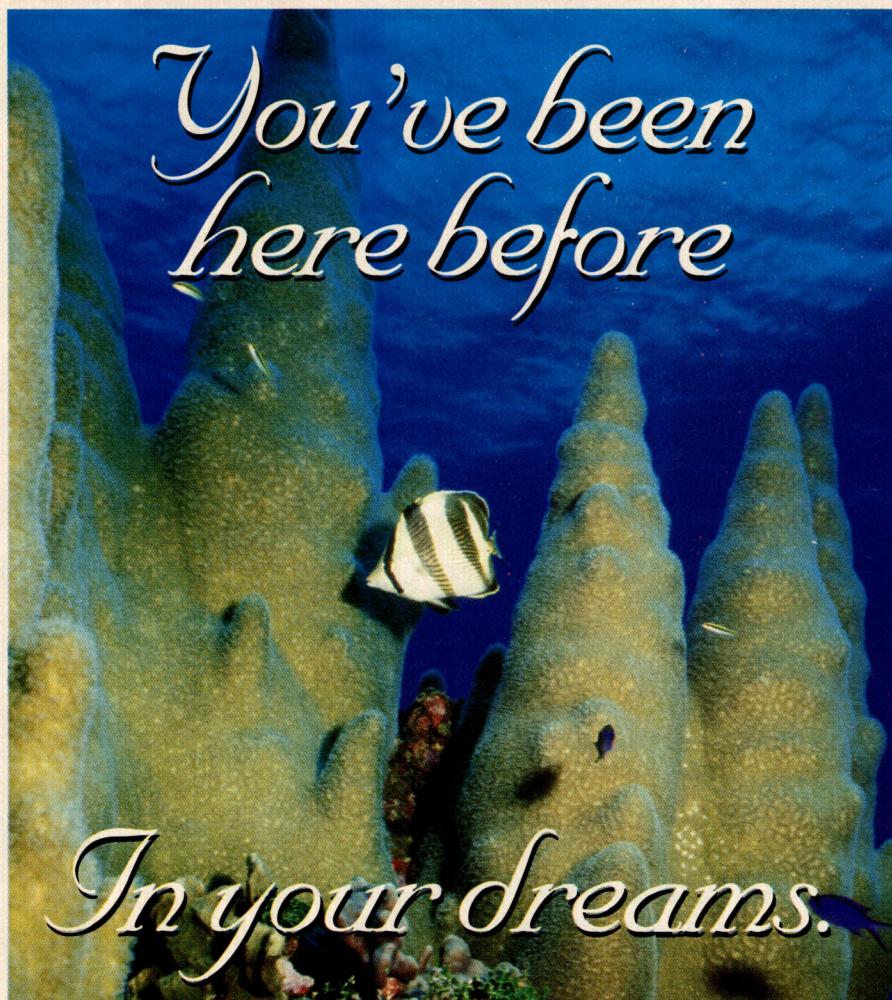
Diving Services Through Indies Divers On Site: 38' and 34' dive boats -12 diver cap., freshwater rinse, large camera table; 2-tank a.m. dive \$65 North or \$60 West; 1-tank afternoon dive \$45; snorkeling \$30; night diving \$55 North or \$50 West; computer diving; unsupervised buddy diving; handicapped diver access.

Dive Sites: Best sites along North Wall and Sound including Stingray City, Tarpon Alley, Hammerhead Hill, Lemon Drop-off, West Wall - Trinity Caves, wreck of Oro Verde, Orange Canyon, Big Tunnels.

Special Services: Guided wall dives, group and private video services on dive and snorkel trips, underwater photo gallery, instructional photo courses available.

"As Cayman's only all-suite dive hotel, we offer all the comforts of home with the quality and service of a major hotel. Our in-house dive operation provides highly personalized service with custom-built dive boats, convenient rinse and lockers and the dock just minutes away."





*You've been
here before*

In your dreams.

Cayman Brac

Come experience the incredible diving you've only dreamed about. On Cayman Brac. Crystal clear waters. Incredible walls. Nearby reefs, teeming with an abundance of exotic marine life. And with two fabulous world-class resorts to choose from like Divi Tiara Beach Resort and Cayman Brac Beach Resort we can make your stay on Cayman Brac truly a dream trip of a lifetime.

And now a stay on Cayman Brac is all at a price you can stop dreaming about.

Summer Special

Airfare, Room & Diving.

7 Nights from \$889



1-800-367-3484

Choose
Your
Resort



1-800-327-3835

Call for Reservations & Information

Offer good October 14 - November 25, 1995. Subject to change without notice. Price quoted is per person, based on double occupancy, subject to availability and may change without notice. Hotel taxes and service fees not included.

CIRCLE NO. 99 ON READER SERVICE CARD

BRAC REEF BEACH RESORT

Cayman Brac

800-327-3835 ext. R.O.D.

Accommodations/Rates: 40 standard ocean-view rooms. All rooms have ceiling fans, air-conditioning, satellite TV and two double beds or a king-sized bed. Call for special super saver packages for Fall 1995, Winter 1996 and Summer 1996. Ask about our all-inclusive packages offering all meals, unlimited beverages, 3 tanks a day, unlimited shore diving, free custom VHS dive video, free PADI buoyancy control course, taxes, service charges, and airfare, too!



Amenities: Restaurant with both inside and patio dining, meals served buffet style. Gift shop, dive shop and photo shop. Freshwater pool and jacuzzi, lighted tennis court, bicycles.

Diving Services: Reef Divers on-site diving Cayman Brac and Little Cayman sites. Five 42' dive boats. 2-tank morning dive \$50, 1-tank afternoon boat dive \$25, snorkeling \$20, night diving \$40, unlimited and free shore diving if on package, computer diving allowed, handicapped diver access. PADI, NAUI, NASDS and SSI certification services. Reef Photo and Video Center offers daily E-6 processing, custom underwater videos, equipment sales, still and video camera rentals, repairs and a complete instructional program.

"Reef Divers is committed to providing the best and safest dive vacation on Cayman Brac including great diving on Bloody Bay Wall, Little Cayman."



While dive operators on Cayman Brac visit Little Cayman sites on a regular basis, Brac boasts 25 miles of its own spectacular wall. Divers won't want to miss the action at Anchor Wall or any number of sites along the western side of the island. No wonder Cayman is one of the five most-visited diving destinations in the world.

While Cayman's walls attract most of the attention, the Cayman Islands offer underwater amusement for every taste and skill level; whether it be lush coral gardens, overgrown wrecks, shallow snorkels or close encounters of the marine kind. Where else can you kiss a dozen stingrays, rendezvous with a giant manta or set up a photo session with a celebrity grouper?

The official Cayman Islands diving guide lists almost 200 named sites, approximately 30 professional dive operators and more than 70 dive boats and two excellent live-aboards.

And if that isn't enough variety for you, topside, the islands are equally diverse. Little Cayman and Cayman Brac are the ideal secluded getaways where time is measured by your dive computers and dinner bells and nightlife consists of stargazing and listening to a symphony of crickets. In contrast, Grand Cayman offers a plethora of bustling restaurants, ritzy resorts and comfortable condos, designer boutiques and long lazy beaches for sunbathing and watersports.

Something for everyone? Most likely: The Cayman Islands

\$85⁰⁰

p/p Dbl. occ.
Direct booking,
cash price,
tax/service included

CAYMAN ISLANDS AFFORDABLE

Bed • Breakfast • Boat • Buggy
"Put your \$\$ in the Water"

- Room & Full American Breakfast
- Personalized 2-tank boat dive
- Free shore diving
- Rental car each day
- Room only \$55
- Dives only \$55

USA RESERVATIONS

818-716-8380

CODE 3440

USA FAX 818-348-3433

CAYMAN FAX 809-947-5673



**THE ENTERPRISE
BED & BREAKFAST**

**CAPTAIN MARVIN'S
AQUATICS**

CIRCLE NO. 101 ON READER SERVICE CARD

ENTERPRISE BED & BREAKFAST

Grand Cayman

818-716-8380 ext. ROD

Accommodations/Rates: Six regular rooms and one two-bedroom suite. All rooms with private bath, air-conditioning, microwave, bar, refrigerator, sink, TV, table and chairs, patio or balcony. US\$55 for one or two persons all year long (includes full American breakfast). Room is lower with dive package. Government tax and service is additional.



Diving Services: Through Captain Marvin's Aquatics diving all popular dive sites with emphasis on the North Wall. 4 days/3 nights PP/DO \$175 includes 2 days of diving, free shore diving, breakfast.

Our motto is our goal: "Put your \$\$ in the water." We offer good, clean accommodations at a fair price. Make it so!

GREAT GIFTS UNDER \$20.

Princeton Tec



TEC 40
Halogen Power.
Waterproof to 2000 ft.
Lifetime Warranty



AQUA FLARE
The "BRIGHTEST" name
in Personal Locator Lights
Includes: Batteries, Lanyard
and Lifetime warranty.




**LOOK FOR THIS
DISPLAY AT YOUR LOCAL
PRINCETON TEC DEALER.**

For the Princeton Tec retailer nearest you, contact:
P.O. BOX 8057 TRENTON, NJ 08650
609-298-9331 609-298-9601 FAX

CIRCLE NO. 81 ON READER SERVICE CARD

HERE'S YOUR KICKBACK



POSADA DEL SOL. WORLD CLASS
SCUBA DIVING IN A TROPICAL PARADISE
SO SECLUDED, SO PRIVATE, SO
ULTIMATELY AWAY THAT NO ROADS
LEAD THERE. ESCAPE TO A SPANISH VILLA
RESORT WITH BONE FISHING, TENNIS,
FRESH WATER SWIMMING POOL AND HIKING
TRAILS. AN ISLAND OF INCOMPARABLE
NATURAL BEAUTY TO EXPLORE.
ESCAPE TO POSADA DEL SOL
AND GET YOUR WELL DESERVED KICKBACK.

POSADA DEL SOL
1-800-642-3483 • GUANAJA, BAY ISLANDS

1201 US HIGHWAY ONE, SUITE 210
N. PALM BEACH, FL 33408 • 407-624-3483

CIRCLE NO. 17 ON READER SERVICE CARD

THE BEST OF ST. JOHN & THE VIRGIN ISLANDS ABOVE AND BELOW THE WATER! SUMMER PACKAGES STARTING AS LOW AS \$1086!



Specializing in Personalized Attention

- Daily Scuba Tours • 8:30am Certified Dives •
- Wreck Diving • Reef Diving •
- Night Diving • 12:30 pm Beginner Dives •
- Certifications & Student Referrals •

1-800-835-7718
1-809-693-8999

Warfside Village • P.O. Box 716
St. John • US Virgin Islands • 00831



St. John's Most Luxurious Homes and Villas for 2 to 10

- Over 12 homes to choose from •
 - Many with spas • All with decks •
 - Lush landscaping • Spectacular views •
 - Fully Equipped •
 - All near the best beaches •
 - Experienced on-island management •
- On call 24 hours, dockside greeting and escort to villas.
A bit of paradise for every taste and budget.

1-800-424-6641
1-809-776-6641

Catered to
... incorporated

CIRCLE NO. 71 ON READER SERVICE CARD

* COZUMEL * COZUMEL * COZUMEL * COZUMEL * COZUMEL *

COZUMEL

Casa del Mar Hotel

FROM **\$189⁰⁰**
PP/Db/DIVER

INCLUDED:

- 4 Days/3 Nights "CASA DEL MAR"
- 2 Days BOAT DIVING
- TANKS/WEIGHTS/BELT
- HOTEL TAXES R/T
- GROUND TRANSFERS

Discounted Air Available
Non-Diver Prices Available

10% DISCOUNT ON
FOOD/BEVERAGES
With T.C.I. COUPON

<http://spider.netropolis.net/travel/tropical/>

TROPICAL CONCEPTS INC.

WHOLESALE INCLUSIVE TOURS

(713)-789-3483
1-800-749-DIVE

Dive Travel Is Our Specialty....
Service Is Our Business!

RESTRICTIONS APPLY
PRICE SUBJECT TO CHANGE

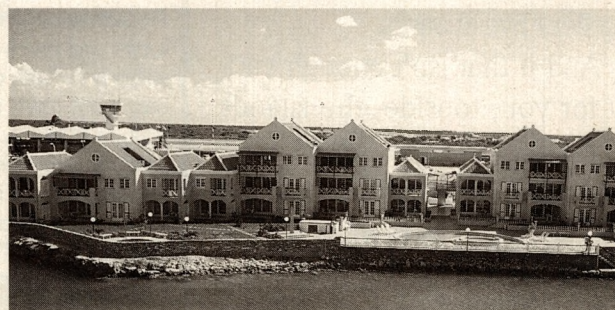
Member
ASTA

* COZUMEL * COZUMEL * COZUMEL * COZUMEL * COZUMEL *

CIRCLE NO. 34 ON READER SERVICE CARD

Port Bonaire Resort

*Our Differences Make the Difference
in Your Dive Vacation!*



For divers and non-divers Port Bonaire Resort is the right place to stay while in Bonaire. Tastefully appointed apartments and beach-houses, all completely equipped, make us the perfect dive retreat. Located on waterfront we offer great views both day or night and more...!

Model units are available on-site for inspection for those who wish to invest in a secure future living environment.

A rental pool exists whereby an attractive return on investment is offered!

P O R T
B O N A I R E



For information and/or reservations:

P.O. Box 269 • Kaya International • Bonaire • Netherlands Antilles • Phone: 599-7-5636 • Fax 599-7-5639

CIRCLE NO. 26 ON READER SERVICE CARD



Saying you've dived Micronesia is like saying you've sampled the local pastries in every bakery in Europe. A huge area that spans several thousand miles in the Western Pacific, Micronesia embraces more than 2,000 islands, each with its own distinct geography, culture and underwater environment. A perfect example of the diversity are the islands of Palau, Truk, Yap and Pohnpei. Each is unique above and below the water. And once you've experienced their underwater treasures, the reason for their popularity becomes crystal clear.

POHNPEI ▲ Pohnpei is a dramatic panorama of mountain peaks, verdant rain forests and cascading waterfalls. Ringed by a barrier reef a mile offshore, Pohnpei offers divers a varied underwater experience—shallow coral reefs inside the lagoon, steep walls that descend to 6,000 feet on the outside of the reef, passages that cut from the lagoon to the ocean, and an impressive concentration of tropical and pelagic fish life. Topside, Pohnpei is historically and culturally rich, demanding serious topside exploration, no matter how insatiable your appetite for diving may be.

PALAU ▲ With 700 species of coral, more than 1,500 species of fish and some of the best virgin diving in Micronesia, it's no surprise that Palau has been named one of the Seven Underwater Wonders of the World. The land of rock islands has it all—crystal-clear water with visibility usually exceeding 100 feet, steep, lush walls that begin as shallow as 10 feet and marine life that runs the gamut from colorful schooling fish and brilliantly hued tropicals to delicate invertebrates. The abundance and diversity is astonishing.

DIVING PARADISE IN THE PACIFIC

by Susanne Cummings

TRUK ▲ Truk Lagoon is another of Micronesia's wonders. Fifty years ago, the U.S. Navy sank the most amazing artificial reef in the world in the 40-mile-wide lagoon of Truk. Today, still remarkably intact, the remains of the Japanese Imperial Navy 4th Fleet now comprise the finest collection of wreck dives anywhere in the world. But even if wreck diving or World War II history isn't your cup of tea, Truk

rates a visit because these seemingly lifeless hulks form the foundation for one of the most vibrant living reefs in the world. Huge soft corals shroud every inch of steel while clownfish, lionfish and a host of tropical species

and invertebrates have taken up residence on these massive wrecks.

YAP ▲ A stronghold of island culture and tradition, Yap is a land of cherished traditions, of dancing and stone money. It is also the land of giant mantas.

Encircled by a reef that creates a 10-square-mile lagoon, several of the natural channels that cut through the reef attract manta rays, which thrive on the rich nutrients carried by the tidal currents that rush through the channels. Watching them somersault one after another through the channel is nothing less than awe-inspiring. Needless to say, this is the kind of photo op that underwater photographers fantasize about.

But mantas aren't the only attraction in Yap's marine environment. Yap's steep drop-offs, gradually sloping reefs, and current-swept channels are watering holes for sharks, eagle rays, turtles, a plethora of tropical reef fish, war wrecks and rare shells.

Any one of these destinations is well worth a visit, but if you want to experience Micronesia to its fullest, put them all on your itinerary.

POHNPEI TOURIST COMMISSION

P.O. Box 66 • Kolonia, Pohnpei FM 96941

011-691-320-2421 ext. R.O.D.



Dive Sites: MWAHND ISLAND CHANNEL (Manta Road) - Known for numerous Manta Rays, white-tip sharks, colorful reef fish, different species of live coral rocks and soft coral. Location - channel off the northeast side of Mwahnd Island, northeast of Pohnpei Mainland, approximately 20 minutes by boat.

BLACK CORAL - Known for its giant Sea Fan Coral. Location - Southern fringing reef of Pohnpei mainland, approximately 45 minutes by boat.

BARRIER REEF PASSAGES - These three dive locations are all noteworthy for their different types of coral formation, varieties of reef fish, shark and turtles.

POAHLOANG PASS - Southwestern fringing reef of Pohnpei mainland, approximately 45 minutes by boat.

DAUAHK PASS - Western fringing reef of Pohnpei mainland, approximately 30 minutes by boat.

PALIKIR PASS - Northwest fringing reef of Pohnpei mainland, approximately 20-30 minutes by boat.

OUTLYING ATOLLS - The small islands surrounding Pohnpei are wonderful places for day or overnight trips. Black Coral, Heg's Island, Ant and Rainbow Islands are accessible by boat. The outer atolls of Mwackilloa and Pingelanp have sandy beaches and are accessible by air.

ANT ATOLL - Ant Island has pristine white beaches and a clean, blue lagoon. Ant Channel is renowned for its steep vertical coral wall. Location - 8 miles southwest of Pohnpei, approximately 45 minutes by boat.

PAKIN ATOLL - Underwater visibility of 100-150 feet. Predominantly a wall dive with different types of coral formations, sea clams, shark and numerous varieties of reef fish. Location - Approximately 1.5-2 hours northwest of Pohnpei mainland.

Hotels:

Black Coral Island
C-Star Apartelle
Cliff Rainbow Hotel
Harbor View Hotel
Heg's Garden Island
Hotel Pohnpei
Joy Hotel
Lenger Island Resort
Pacific Skylite Hotel
Palm Terrace
Penny Hotel
Sea Breeze Hotel
Sea Side Hotel
Snow Land Hotel
South Park Hotel
Village Hotel
Yvonne's Hotel

Dive Operators:

Aqua World
Blue Oyster Tours/Dive Shop
Iet Ehu Tours
Joy Ocean Service
Palm Terrace
Phoenix Marine Sports Club
Village Hotel Tours



DIVE POHNPEI

The Garden Island of Micronesia

Enjoy warm, crystal clear water, untouched reefs teeming with marine life, dazzling tropical coral and fish, breathtaking drop-offs and shark-filled passes.

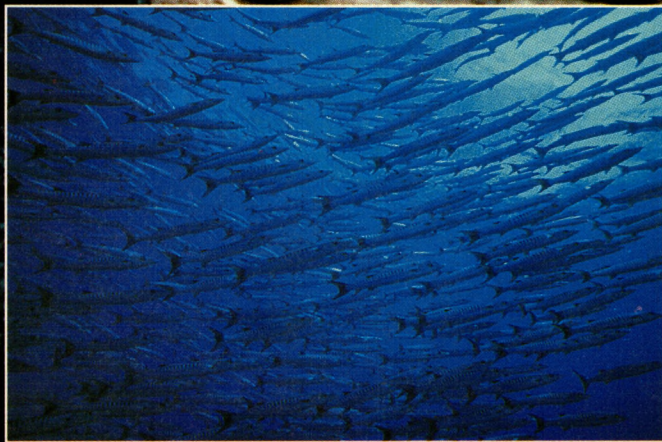
Visit Pohnpei's beautiful waterfalls and the mysterious ruins of Nan Madol.

This and much more await you in the pacific paradise of Pohnpei.

Pohnpei Tourist Commission

P.O. Box 66 • Kolonia, Pohnpei, FM 96941

011-691-320-2421 ext. R.O.D. • Fax 011-691-320-6019



BEN SIMMONS

CIRCLE NO. 112 ON READER SERVICE CARD

Palau

MAP 100
READERS' CHOICE

#1 Favorite Pacific... Advanced Dive Destination • Reef Dive • Wall Dive • Drift Dive • Freshwater Dive • Place to See Big Animals • Photographic Site • Favorite Place to Snorkel • Most Environmentally Sensitive Destination



One of the seven underwater wonders of the world... Blue Corner, Jellyfish Lake, Chandelier Cave, Ngemelis Dropoff, Blue Holes World War II Wrecks

Palau Visitors Authority • P.O. Box 256 • Koror, Republic of Palau 96940 • Tel: 011 (680)488-2793 • Fax 011 (680)488-1453

CIRCLE NO. 111 ON READER SERVICE CARD

PALAU VISITORS AUTHORITY

P.O. Box 256 • Koror, Republic of Palau 96940

011-680-488-2793/1930 ext. R.O.D.

Dive Sites:

BLUE CORNER - A world class dive site where schools of barracuda, gray reef sharks, dog-tooth tuna and other fish surge along the steep drop-off, which is layered in a wide variety of hard and soft corals.

BLUE HOLES - Connecting underwater and opening to the walls on both sides, these holes lead to an underwater cathedral that opens onto a wall below.

NGEMELIS WALL - The Ngemelis area features more than 60 vertical drop-offs including "the world's best wall dive." Ngemelis Wall drops nearly 1,000 feet and reveals multi-colored sponges and the vivid hues of sea fans, black coral whips and soft corals.

SHARK CITY - Nurse, leopard, black-tip, and white-tip sharks make their home on this sloping reef.

CHANDELIER CAVE - An underwater catacomb of rooms filled with massive stalactites and stalagmites.

JELLYFISH LAKE - One of Palau's truly unique attractions. Jellyfish in this isolated lake have lost their ability to sting, enabling snorkelers to swim amidst clouds of the harmless invertebrates.

GERMAN CHANNEL - Famous for the huge manta rays that enter the passage to feed at high tide.

WRECKS - The seas surrounding the Rock Islands are dotted with the sunken remains of more than 100 World War II shipwrecks, Japanese seaplanes and zeroes.

Dive Operators:

Antelope
Aqua Pro
Fish 'N' Fins
Inabo Diving Center
NECO Marine Corporation
Palau Diving Center
P.O.D.C. Blue Marlin
Sam's Dive Tours
Splash

Liveaboards:

Lesson Two "Palau Sports
Ocean Hunter
Palau Aggressor
Sundancer
Palau Sail Charter

Hotels:

Airai View Hotel
Carp Island Resort
D.W. Motel
H.K. Motel
Hotel Nikko Palau
King's Studio & Apts.
Palau Hotel
Palau Marina Hotel
Palau Pacific Resort

Storyboard Beach Resort
Sunrise Villa
The Carolines
The Penthouse
TNO Motel
VIP Hotel
West Plaza Hotels—
(By the Sea, Topside, Downtown, Deseke)



AGGRESSOR FLEET

PALAU AGGRESSOR II AND TRUK AGGRESSOR II

P.O. Drawer K • Morgan City, LA 70381

800-348-2628, ext. R.O.D.

Features: *Palau Aggressor II* - 106 feet long, eight cabins; *Truk Aggressor II* - 110 feet long, seven cabins. Both feature large sundeck and hot tub, E-6 photo processing, dive gear and camera rentals, specialty photo courses. *Palau Aggressor II* \$1,995 per person. *Truk Aggressor II* \$1,895 per person. Both are all-inclusive except airfare and gratuities. Call reservations office for available trips.

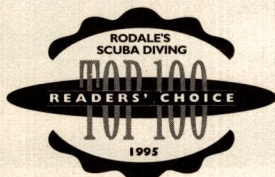
"Could there be a more luxurious way to explore Palau's magical caverns, caves, coral gardens, marine lakes, blue holes, walls and wrecks than from aboard the new *Palau Aggressor II*? We doubt it. Respected underwater photographer/videographer Stan Waterman recently declared after a week aboard the *Palau Aggressor II*, 'I experienced the most comfortable, delightfully hedonistic dive tour in my memory. It is possible without hyperbole to consider this remarkable boat the most thoughtfully equipped, roomy and generously attended live-aboard dive boat in the world today.' What more can be said? Only that their new high-speed, jet-drive skiff lets you explore outer reefs as never before.

And there's no finer means of discovering Truk's legendary lagoon than from the *Truk Aggressor II*, a new, sleek 14-passenger monohull. You'll be enveloped by a rainbow of sea life inhabiting a sunken fleet of over 60 ships and planes. Then it's on to outstanding outer reefs in search of sharks, drop-offs and hidden treasures.



For Micronesia's most memorable diving adventures, climb aboard the *Palau* or *Truk Aggressor II* for the ultimate in live-aboard diving. For reservations or complimentary brochure, call 800-348-2628."

New L'Aventure Programs, featuring Jean-Michel Cousteau, offered aboard Aggressor Fleet vessels.



Truk Aggressor II - #1 Favorite
Live-aboard in the Pacific
Palau Aggressor II - One of Top Three
Pacific Live-Aboards with the Best Food

**Part of the Ten-Vessel
Worldwide Aggressor Fleet**

Bay Islands Aggressor II
Belize Aggressor III
Cayman Aggressor III
Galapagos Aggressor
Galapagos Aggressor II

Kona Aggressor II
Okeanos Aggressor
Palau Aggressor II
Truk Aggressor II
Turks & Caicos Aggressor

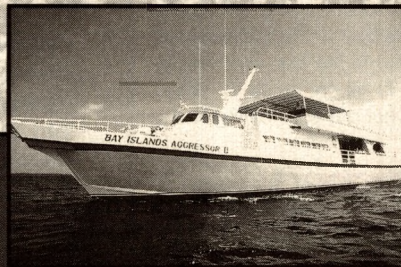


★ Palau, Micronesia ★ Coco Island, Costa Rica ★ Grand Cayman/Little Cayman, BWI ★

★ Belize, Central America ★ Kona, Hawaii ★ Truk, Micronesia ★ Turks & Caicos, BWI

★ Belize, Central America ★ Bay Islands, Honduras ★ Grand Cayman/Little Cayman, BWI ★ Kona, Hawaii ★ Truk, Micronesia ★ Turks & Caicos, BWI

over,



under,



...Wonders never cease.

Only the Aggressor Fleet offers discriminating divers ten of the world's finest underwater wonders, featuring wrecks & reefs; whales & walls; drop-offs & drift dives; or coral shelves & sharks.

Topside, our ten superb ships and top-notch crews shine with a wondrous luxury and panache all their own, offering private cabins & fine cuisine; ensuite baths & photo labs; hot tubs & wet bars.

Discover the best of all possible worlds.

Call Aggressor Fleet.
(800) 348-2628

& in-between

Special
Jean-Michel Cousteau
Expeditions Now Available



The Ultimate in Live-Aboards®

a live-aboard franchising agent

★ Galapagos, Ecuador ★ Grand Cayman/Little Cayman, BWI ★

CIRCLE NO. 89 ON READER SERVICE CARD

FISH 'N FINS

PALAU, MICRONESIA



Dive Package Special

\$130 pp/dbl occ/night

Includes 2 tank dives, room & tax, airport transfers, breakfast, lunch. Unlimited dive packages now available! Call Now!

YOU DON'T HAVE TO DREAM ABOUT DIVING IN PALAU.

This is your dive trip of a lifetime. You work hard for your money, so why take chances? Dive with Palau's foremost dive operation. Our friendly, experienced guides are the best in the business and our fleet of 26' dive boats will speed you to the best dive sites in the world! Fish 'N Fins and the Marina Hotel are made for divers and offers the best value in Palau! So what are you waiting for?

FISH 'N FINS • PALAU, MICRONESIA

P.O. Box 142, Koror, Palau 96940

Make your reservations now, call direct at 011-680-488-2637 or fax 011-680-488-1725



FISH 'N FINS

P.O. Box 142 • Koror, PW 96940

011-680-488-2637, ext. R.O.D.

Dive Sites: Blue Corner, Blue Hole, Big Drop-off, Turtle Cove, German Channel, Ulong Channel. In general: walls, channels, wrecks, caves, coral gardens.

Boats: Two 30', 10 diver capacity dive boats, two 25', 6-8 diver capacity dive boats, one 60' three-cabin live-aboard - *Ocean Hunter*.

Diving Services: All day diving with two-hour beach lunch \$85/day; snorkeling-\$45; night diving Sunday through Thursday \$50; computer diving; handicapped diver access.

Certification Services: NAUI Open-Water I.

Hotel/Diving packages (through Palau Marina Hotel located next door): \$130/day double, \$150/day single - includes 2-tank dive, hotel and hotel tax, breakfast, lunch, airport transfer.

"We offer personalized service. No cattle herding."



Dive from Carp Island with Palau Diving Center!

Wonderful sea-side cottages set among the beautiful Rock Islands will be the highlight of your stay. Dive the famous sites of Palau with our crew of experienced dive masters or let us take you fishing or touring.



JOHNNY KISHIGAWA

Introductory diving • Boat Diving tours • Rock Island tours • Fishing tours • Diving equipment for rent • Also available: Night diving, Chandelier Cave, Peleliu Drop, Blue Corner etc.



Carp Island Resort & Palau Diving Center

011-680-488-2978 Ext. ROD

Fax: 011-680-488-3155 P.O. Box 5, Koror, Palau 96940

CARP ISLAND RESORT PALAU DIVING CENTER

P.O. Box 5 • Koror, Palau 96940

Tel: **011-680-488-2978**, ext. R.O.D.

FAX: 011-680-488-3155

Accommodations/Amenities: 22 rooms - singles, double, triples, ocean-view, natural ventilation, free boat transfers, diving, snorkeling, windsurfing, fishing, Rock Island tours, one restaurant serving breakfast, lunch and dinner.

Hotel/Diving packages-Best Buy: 5 days/4 nights, 5 2-tank boat dives, includes breakfast, lunch airport transfer, boat transfer to Carp Island, room tax, diving, tank, weight, belt. \$142.00/night per person double occupancy. Contact us for custom and Palau dive-only packages.



Dive Sites: All popular Palau dive sites including Blue Corner, Blue Hole, New Drop-off, German Channel, Ngemelis Wall, east side of Peleliu, Big Drop Off, Turtle Cove.

Boats: Three 30', 12 diver capacity; one 24', six diver capacity.

Diving/Certification Services: 2-tank morning dive \$90; snorkeling \$30; night diving \$65; computer diving; NAUI Open-Water; Japan Professional Divers Association basic course and open-water; C-MAS Open-water.

"Carp Island is the only private island resort in Palau, located closest to the most famous dive sites. Why spend an hour getting to them? We'll have you there in 10 minutes."

Palau

Dreams do come true!



Vacations are special!

Enjoy Palau's only international beach front resort and dive with Splash, Palau's PADI 5 star dive center.



palau pacific resort
like no other island dream!

P.O. Box 308, Koror, Republic of Palau, 96940

(680) 488-2600

fax (680) 488-1606 or 1601



PALAU



at Palau Pacific Resort

CIRCLE NO. 110 ON READER SERVICE CARD

PALAU PACIFIC RESORT

P.O. Box 308

Koror, Republic of Palau 96940

011-680-488-2600

FAX (680) 488-1606 or 1601

Accommodations: 160 guest rooms including eight suites. Award-winning international resort.

Rates: Rooms from \$195.00.

Amenities: SPLASH, on-site PADI 5-Star Dive Center with two custom-designed dive boats and PHOTO PALAU, a professional underwater video and camera center. The resort also has 1,000 feet of private sandy beach with excellent snorkeling right in front, plus many other amenities.



Dedicated to only Micronesia.

Trip-N-Tour is from Micronesia. We are Micronesian. At Trip-N-Tour we devote 100% of our time and expertise to only Micronesia, to ensure your trip is the very best.

Trip-n-Tour
MICRONESIA
THE TRAVEL EXPERTS OF THESE ISLANDS

1-800-348-0842

Call today for a FREE 28 page, full-color dive brochure!

CIRCLE NO. 114 ON READER SERVICE CARD

TRIP-N-TOUR MICRONESIA

2182 Foothill Drive • Vista, CA 92084

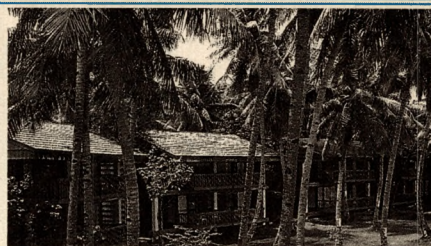
1-800-348-0842, ext. R.O.D.

Services: Arrange trips to Micronesia, working hard to get the most for your dollar. Services available before, during and after your trip.

Benefits: Known through Micronesia by heads of state, tourism-related people and scores of Micronesians.

"Trip-N-Tour is from Micronesia and we are Micronesian. We devote 100% of our time, energy and expertise in arranging clients' trips to Micronesia. A trip to Micronesia contains many complexities that could spell disaster if you use a travel company that handles Micronesia part-time."

Trip-n-Tour
MICRONESIA
THE TRAVEL EXPERTS OF THESE ISLANDS



THE SERENE PLEASURES OF MICRONESIA AWAIT YOU AT THE TRUK CONTINENTAL HOTEL

Our hotel is situated on the edge of historic Truk Lagoon amidst 14 acres of beautifully landscaped gardens and white sand beaches. For your convenience, your favorite dive shop or excursion boat can pick you up in front of the hotel from our private dock.

We know that once you have visited our "Pacific Paradise," sampled our hospitality, and seen our incredible beauty, you'll want to come back again...



Truk Continental Hotel

P.O. Box 340, Weno, Chuuk State, FSM 96942

Tel: 691-330-2438/2727 ext. ROD

Fax: 691-330-2439 • SITA: TKKHTCO

CIRCLE NO. 115 ON READER SERVICE CARD

TRUK CONTINENTAL HOTEL

P.O. Box 340 WENO

Chuuk State FSM 96942

**011-691-330-2727/
2438**, ext. R.O.D.

Accommodations: 56 rooms w/ 2 dbl beds, pvt bath, vanity area, air conditioning, pvt balcony.

Rates: Deluxe single \$110; deluxe double/twin \$122; third person w/ extra bed \$37; 10% commission for agents. 10% government tax added to all rates.

Amenities: Main dining room for breakfast, lunch and dinner; handicrafts and sundries shop; cocktail lounge; beach bar; picnic area; gardens; private dock; dive shops pickup at hotel dock.

"The Truk Continental Hotel is the best location for land-based divers. All dive tours leave from our hotel dock and you'll enjoy good food and a relaxing atmosphere after returning from diving."



WEST PLAZA HOTELS *Palau*



"The Place to Stay in Palau"

- Clean and comfortable accommodations
- Friendly service and affordable rates
- Fully air-conditioned and furnished rooms
- Cable TV, refrigerators, phones, mini bars and laundry service
- Airport Shuttle service Rent-A-Car service by reservation

*Overlooks the scenic views of the ocean, lagoon and nearby islands.
Ideal place to watch a magnificent sunset and majestic moonrise.*



P.O. Box 280 • Koror, Republic of Palau • Western Caroline Islands 96940
Tel: 488-2133-5; 488-1671; 488-2251
Fax: 011-680-488-2136; 488-1783

CIRCLE NO. 117 ON READER SERVICE CARD

WEST PLAZA HOTEL

P.O. Box 280 • Koror, Republic of Palau 96940
**011-680-488-2133-5, 488-1671,
488-2251**, ext. R.O.D.
FAX 011-680-488-2136 or 488-1783

Accommodations: 34 air-conditioned rooms, deluxe/standard/ocean view available, twin beds or double bed. Rooms include color TV, refrigerator, mini bar, telephone, some have kitchens.

Rates: Deluxe \$80; standard \$60; plus 10% government tax.

Amenities: One restaurant serving international cuisine and seafood specials, gift shop and car rental office on premises, bus service for city tour available with prior arrangement.



West Plaza Hotel also does business in two other locations, all in Koror City. These are:

- ▶ WEST PLAZA DOWNTOWN - Room rates are: Deluxe \$65; Standard \$55; plus 10% government tax.
- ▶ WEST PLAZA HOTEL DESEKEL - Room rates are: Deluxe \$80; Standard \$50; plus 10% government tax.

These hotels have modern comfortable accommodations and are centrally located in downtown Koror City.

"Our hotels are conveniently located near the shopping centers, restaurants and government buildings."



YOUR INN FOR A GREAT STAY

The Truk Stop Hotel is an owner-operated hotel located right on Truk Lagoon. The 23 guest rooms include standard rooms, deluxe oceanfront rooms, executive and presidential suites. Amenities include air-conditioning, private bathroom, refrigerator, telephone and color cable TV. The Truk Stop is within easy walking distance of shopping and dive facilities and the Truk Stop Hotel Restaurant is now open.



TRUK STOP HOTEL
011-691-330-4232
Fax: 011-691-330-2286

CIRCLE NO. 116 ON READER SERVICE CARD

TRUK STOP HOTEL

P.O. Box 546 • Truk State, FM 96942
011-691-330-4232/33, ext. R.O.D.

Accommodations: 23 rooms-13 standard, 6 ocean-view, 2 presidential suites and 2 executive suites. All rooms have private bath, air-conditioning, refrigerator, TV, ceiling fan. Presidential suites have small kitchens.

Rates: Standard \$90, deluxe oceanfront \$99, executive \$115, presidential suite \$130. Add 10% government tax to rates.

Amenities: Ocean-view restaurant, small handicraft and sundry shop, Blue Lagoon Dive Shop on premises.

"The Truk Stop Hotel was built with divers in mind and as an owner-operated hotel, we ensure responsiveness to the needs of our guests."



MANTA RAY BAY HOTEL AND YAP DIVERS

P.O. Box MR
Yap, FSM 96943

011-691-350-2300,

ext. R.O.D.

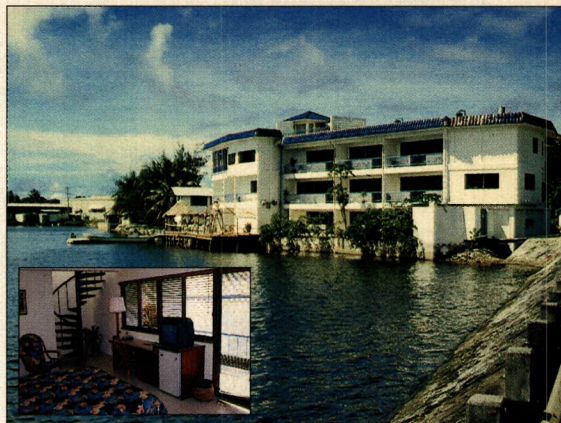
Accommodations/Rates: 23 rooms, one suite with private jacuzzi. Air-conditioning, ceiling fans, mini bar, TV/VCR, phone, hair dryer, safe, etc. \$95-\$240/night.

Amenities: Full-service restaurant, one snack bar, gift shop, dive retail store and full-service photo/video center, kayaks, waterskiing, walking tours and catch/release fishing charters.

Diving Services: Yap Divers on-site. Two dives \$95, one dive \$50, one night dive \$50, gear locker, rinse tanks, boat dock, E-6 processing, custom videos, shore diving.

*"We are a dedicated
dive resort, designed
and operated by
divers for divers.
Our fleet of five dive
boats means customized
service with more
options."*

Yap Divers (Manta Ray Bay Hotel)



In the enchanted coral reefs of our island, encounter some of the most haunting and majestic of earth's creatures, the Giant Mantas of Yap. Treat yourself to 5 days of diving with Yap Divers and 5 nights at the Manta Ray Bay Hotel, and together we'll explore the manta's secret world. Along the way we'll discover the many world-class dive sites, situated along the 90 miles of virgin tropical barrier reef, that have made Yap Legendary in the diving world.

So call me today and ask about our 5 night / 5 dive day package, and I'll tell you all about our special little island and how to get here, or we can simply talk diving.

USA INFORMATION OFFICE: 1-800-DIVE-YAP
BILL ACKER MANTA RAY BAY HOTEL
P.O. BOX MR. YAP FSM 96943. PHONE:
691-350-2300. FAX: 691-350-4567
**MANTA RAY BAY HOTEL
& YAP DIVERS**



CIRCLE NO. 108 ON READER SERVICE CARD

CONTINENTAL MICRONESIA AIRLINES

North American Sales and Marketing Office

300 N. Continental Blvd., Suite 600

El Segundo, CA 90245-5022

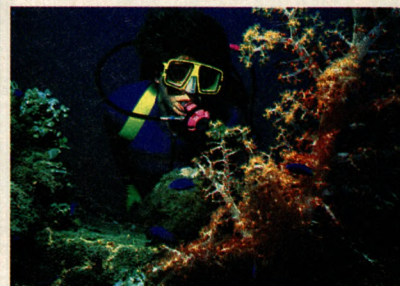
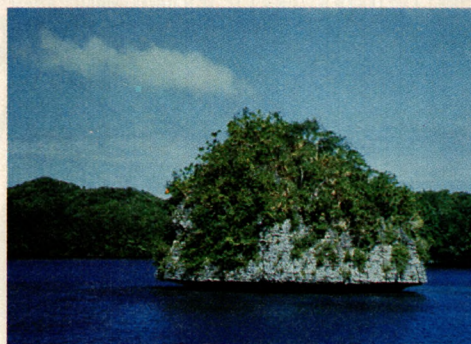
1-800-945-9955, ext. R.O.D.
or 310-322-8100

Continental Micronesia, previously known as Continental Air Micronesia ("Air Mike"), offers 130 flights per week to more than 20 destinations in Asia and the Pacific. They offer daily service from Honolulu to Guam, with departures that connect conveniently with inbound flights from the mainland over both LAX and SFO gateways.

Serving: The Commonwealth of the Northern Mariana Islands, the Marshall Islands, the Federated States of Micronesia and the Caroline Islands, as well as the Philippines, Bali, Korea, Republic of China, Hong Kong and 7 cities in Japan.

Service/Planes: Acclaimed Business First service as well as upgraded coach service. Boeing 747's and DC-10's plus long-range Boeing 727's.

Business Class: Added amenities of priority check-in, pre-boarding privileges, personalized concierge services, in-flight duty free shopping, on-board complimentary premier liquors, wines and champagne, as well as sumptuous meals served on fine china. Also, use of executive airport lounges in Asia, and where available, Continental's exclusive Presidents Club, bonus mileage credit for all business-class travel on Continental Micronesia through OnePass frequent flyer program.

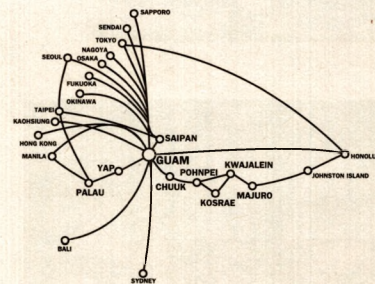


ISLANDS OF MICRONESIA

Postcard perfect island paradises. Unspoiled coral reefs and azure lagoons. Atolls teeming with vibrant life and color. Coral encrusted shipwrecks and awesome drop-offs. A lively population of mixed cultures, tradition, legends and history.

The Islands of Micronesia. Experience them with Continental Micronesia. Call toll free for flight and tour information.

1-800-900-7657



**Continental
Micronesia**
Fly with the warmth of Paradise



S.S. THORFINN

Operated by Seaward Holidays Micronesia Inc.

For bookings contact:

Phone/Fax: 011-691-330-4253

For ship operations contact:

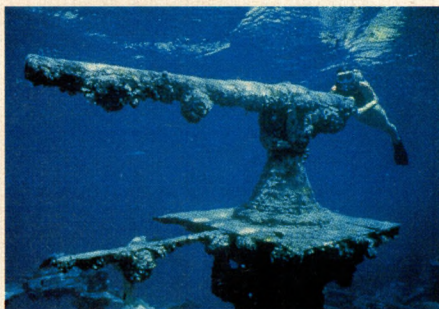
Ship Phone: 691-330-4302

Operation: Truk Lagoon and Micronesia Islands

Ship Size/Amenities: 170 feet long, 30 feet wide by 18 feet deep.

- 11 guest rooms each with private facilities, and queen-size beds
- TV/VCR, stereo in each guest room
- 21 staff serving 22 divers
- Two large sundecks with commercial spa
- Spacious guest lounge with aquarium and entertainment center
- Four customized 24-foot dive launches for maximum 6 divers each
- A personal dive guide and boatman on each launch
- Photography department with top-line video rentals, custom productions and E-6 processing.

"The Pacific's largest and steadiest dive cruiser—the S.S. Thorfinn provides more personal space and comforts than any other afloat. Uncrowded dives with expert local guides to five different dive sites daily."



S.S. THORFINN... is TRUK!

SS Thorfinn returns to Truk Lagoon December 1995 from a massive retrofit with amenities beyond compare.

Our main emphasis is still diving, get spoiled on uncrowded six person dives with endless varieties of coral laden ships, aircraft and spectacular reefs. The absolute finest in under-water attractions.

SEAWARD HOLIDAYS MICRONESIA INC.
PO Box DX, Moen, Truk, FSM 96942
Operators of S.S. Thorfinn
SHIP PHONE: (691) 330-4302
FAX: (691) 330-4253

CIRCLE NO. 113 ON READER SERVICE CARD

Shooting Stars



RAY BERCHE - BELLEVILLE, MI.



MICHAEL BJORNBAK
CALABASAS HILLS, CA.



NICHOLAS ARMY - VAN WERT, OH.



M.L. THOMAS - MANASSAS, VA.

SCUBA DIVING
THE MAGAZINE DIVERS TRUST

These four semifinalists have won a Sea & Sea Marine Watch for their entries in the 1995 Sea & Sea/Rodale's Scuba Diving Photo Contest. Look for the Grand Prize winner in early '96.

Underwater SEA&SEA
Photography USA

Grand Prize is a complete Sea & Sea housed camera system including: SX-1000 Housing, SX-1000TTL camera, SX28-70mm F3.5-4.5 zoom lens, YS 120 Duo Strobe. The Grand Prize winner will be selected from 12 semifinalist entries.

Are you a Reef



When you dive, are you an eco-angel or a one-person environmental hazard?

While you might think diver damage is not the most serious threat facing the world's oceans, the azure vase sponge uncere- moniously ripped from the reef by an errant fin kick might disagree.

Take our quiz to find out how your diving and the practices of the operators, resorts and destinations where you spend your money measure up. Grab a No. 2 pencil for this test—and your dive slate.



WAYNE VINCENT

1. During an hour-long dive, the average diver touches a reef:

- a) 1 or 2 times
- b) 5 to 10 times
- c) 10 to 15 times
- d) 20 or more times

2. To keep your gauge console from bumping and dragging across the reef, you:

- a) leave it in the personal safe in the hotel room
- b) fasten it securely to your BC
- c) hold it in your hand, so you can check your depth and air supply easily
- d) let it dangle, but swim well above the reef

3. If you see a shark in the distance, the best and safest way to get close to it is:

- a) have your buddy herd it toward you, eventually sandwiching the animal between your buddy and you
- b) orient yourself horizontally near the bottom and hum into your regulator
- c) break apart a bottom-dwelling critter, place it on a sandy area of bottom, and retreat to a distance of 15 feet or more
- d) none of the above

4. Having mastered buoyancy control, you know that:

- a) you can hover motionlessly over the reef
- b) you can descend to the reef top and then add air to your BC to float above the reef
- c) your position in the water column will change slightly as you breathe
- d) you can turn somersaults over the reef like a waterborne acrobat

5. During night dives, shining a dive light on sleeping reef critters harms them by:

- a) startling them awake, after which they are likely to crash into their crevice walls and injure themselves in the attempt to escape
- b) revealing their presence to predators, making them more likely to be eaten
- c) upsetting their circadian (day-night) rhythms, causing them to be active at inappropriate times
- d) none of the above

6. You want to get close to the reef for a look at the tiny critters. In order to do so, you:

- a) orient yourself horizontally (before moving in), so there's a straight line

from your head to your fin tips

- b) swim slightly head-up to keep your hair from caressing the coral
- c) swim slightly head-down to keep your fins off the reef
- d) float vertically, head-down, to get as close as you can to the reef without touching it

7. The most ecologically friendly way to navigate through an arch-like reef structure is to:

- a) assess whether the arch is large enough to allow a diver through, then proceed single-file with your buddy
- b) use a gentle frog-kick, so you do not disrupt bottom sediment by forcing water downward
- c) follow a U-shaped path through the arch, avoiding exhaling while under the arch itself
- d) all of the above

8. The seahorse you need to complete your photographic portfolio is hanging unartfully from a sea rod, behind a seafan, in the shadow of a coral ledge. What do you do?

- a) Snap the shutter and hope that once the film is developed you can still make out the vague shape of a seahorse
- b) Carefully move the seahorse to a more aesthetically pleasing location, snap the shot and move on
- c) Move the seahorse, take the photo and then carefully replace the seahorse where you found it
- d) Move the seahorse, take the shot and then stick the seahorse in your BC pocket to take home to the kids

9. It is possible to encourage an octopus to come out of its grotto without harming it by:

- a) squirting hydrogen peroxide—which is unpleasant but nonlethal to an octopus and breaks down into neutral substances—into the grotto
- b) offering leftover seafood, such as fish or conch
- c) using a burst of air from your alternate air source to startle it out into open water from behind
- d) none of the above

10. You start your dive empty-handed and return:

- a) empty-handed
- b) with a pocket full of goodies to liven

Wrecker?

- up the saltwater aquarium back home
- c) with only nonliving souvenirs—empty shells, a chunk of dead coral, a handful of sand
 - d) with a couple feet of fishing line, an empty aluminum can or a spent cyalume light stick

11. Rubbing a pufferfish or porcupinefish until it inflates itself is not a good idea because:

- a) it causes the fish to invest some of its energy in what it doesn't know is needless self-defense, making less energy available for growth, reproduction, self-maintenance or predator evasion
- b) it makes the fish vulnerable to large predators for many minutes, because it is conspicuous, unable to maneuver well, and cannot expel the water as quickly as it ingested it
- c) the fish has sharp buckteeth and powerful jaw muscles, and can easily snap off a diver's fingers like carrot sticks
- d) all of the above

12. The purpose of dive gloves is:

- a) to protect hands when gripping a line while you're descending, ascending or hanging
- b) to keep your hands warm
- c) so you don't get cut when holding the reef to steady yourself under water
- d) to avoid being stung by the reef's hidden creatures: fireworms, coral polyps, hydroids

13. The most ecologically friendly way to get close to a sea turtle is:

- a) approach from directly behind, taking care not to move out from behind the turtle until it has moved 10 or more feet away
- b) herd the turtle between you and your buddy
- c) wait until the turtle surfaces for a breath of air, then approach it at the surface
- d) none of the above

14. Before leaving home for a dive destination, you:

- a) clean, oil and pack your powerhead
- b) buy plenty of Cheez Whiz to feed the fish
- c) research local restaurants to find out which one makes the best burritos
- d) research local environmental issues

15. On a dive, you notice a diver from

your boat handling a pufferfish so that it will puff up nicely for a photo. What do you do?

- a) Act like you didn't see it
- b) Catch the diver's eye and shake your head disapprovingly
- c) Once back on the boat, explain to the diver that by handling the fish, he induced an unnecessary and unnatural stress that may shorten the fish's life
- d) Swim past the diver and "accidentally" dislodge his mask with your fin tip

16. When swimming over the bottom you should:

- a) ensure that your fin tips don't touch anything
- b) stay high enough so that water pushed by your fins does not disturb sand or sediment
- c) look ahead and navigate carefully using underwater features for reference
- d) stay within one arm's length of your dive buddy

TRUE OR FALSE

The point here is not whether you know the eco-friendly answer, but whether you do the right thing. Give yourself one point for each question that you can honestly answer "true."

On your last dive trip, you dived with an operator that:

- ☐ educates clients about environmentally considerate diving
- ☐ follows safe anchoring and mooring practices
- ☐ contains waste from heads until they return to dock
- ☐ separates waste for recycling
- ☐ discourages feeding fish, or playing with slow-moving fish
- ☐ upholds environmental laws and bag limits
- ☐ leaves the dive site cleaner than it was on arrival

On your last dive trip, you stayed at a resort or hotel that:

- ☐ uses a natural harbor that required no dredging for construction or maintenance

- ☐ supports indigenous businesses by buying local goods and services
- ☐ promotes environmental research programs

On your last dive trip, you visited a destination that:

- ☐ establishes marine refuges to preserve the vitality of dive sites
- ☐ sponsors environmental education programs
- ☐ enacts adequate environmental protection laws
- ☐ links commercial tourism to local conservation programs

SCORE YOURSELF

Award yourself one point for each question in the multiple-choice section that you answered correctly (see page 115 for the answers) and one point for each question in the True/False section that you answered "true."

20-30 GREEN DIVER

Not only do you know what to do, you spend your money with folks who are equally eco-conscious. Now, take that knowledge and spread it around.

10-19 YELLOW DIVER

Chances are you know enough to stay off the reef, but you haven't given as much consideration as you should to the practices of the operators, resorts and destinations where you're spending your money. Use the true/false list to ask the hard questions when you book your next dive trip.

0-9 RED DIVER

Please consider staying out of the water until you can improve your score.

DIVE BARBADOS



THE DIVE SHOP, LTD.

Two-tank morning dives, PADI, NAUI & ANDI certifications, Dive packages with accommodations. Located at Pebbles Beach and Bridgetown Cruise Terminal. Safety is our goal, Service is our priority.

ST. MICHAEL'S BARBADOS
809-426-9947
800-648-0581
Fax (809)426-2031

CIRCLE NO. 12 ON READER SERVICE CARD



EXPLORESUB BARBADOS

Diving Educators, underwater photo pro. In house, orientation to Barbados' best dive sites and marine life. Packages with or without accommodations. Home of Barbados' Blue & Gold Dive Team.

(809)435-6542
Fax (809)428-4674
 Contact: Mike Seale,
 St. Lawrence Gap, Christ
 Church, Barbados W.I.

CIRCLE NO. 10 ON READER SERVICE CARD



HIGHTIDE WATERSPORTS

We offer a friendly professional service catering to small groups. Camera Video/Equipment rentals. Equipment Sales. Member of PIRA and PADO Barbados.

Phone/Fax
(809)432-0931

CIRCLE NO. 11 ON READER SERVICE CARD

**PRISTINE BOTH UNDER
 THE WATER AND TOPSIDE!**



**Why Rent Only A Bunk
 When You Can Charter
 an Entire Yacht?**

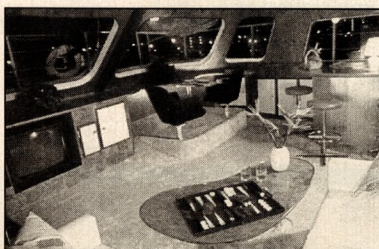
Who would just want to eat, sleep, and dive with a dozen or more strangers for a week straight when you could also snorkel, sunbathe, sightsee, sail, fish, kayak, beachwalk, explore and escape with your family or select group of

friends. *Gemini II*, a 65' catamaran Motorsailor in the Virgin Islands, isn't just a live-aboard dive boat, it's a floating private hotel, accommodating up to 8 guests in private staterooms with ensuite heads, that can go where you want, when you want it to. Diving isn't the only thing happening, so it's a great vacation for non-divers as well!

For more information
 and a free brochure, call:

GEMINI II
800-632-SAIL
Fax (809)779-2601

American Yacht Harbor
 St. Thomas, USVI 00802



CIRCLE NO. 70 ON READER SERVICE CARD

Dive the Ultimate Wall . . . In St. Croix USVI!

Starting at

\$397

PACKAGE INCLUDES:

4 nights, 5 days at Hotel Caravelle
 (pp. double occ., includes all taxes)
3 - 2 tank dives, unlimited use
 of tanks & weights for beach diving.

Call 800-544-5911

Other Hotel/Dive Packages to Suit Everyone!



Located on Historic Christiansted Harbor—
 just steps from VI Divers dock. This award-
 winning hotel blends old world charm
 with modern amenities.

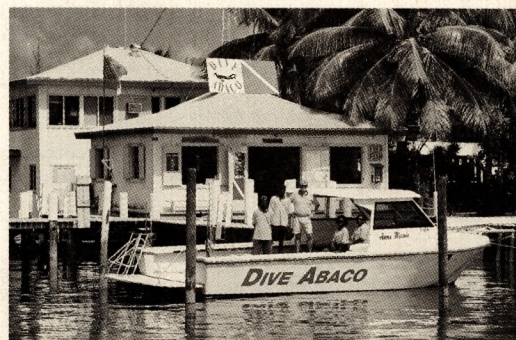
25 Years Experience
 St. Croix's Oldest Dive Center
800-544-5911

800-524-0410

CIRCLE NO. 72 ON READER SERVICE CARD

**Dive
 Abaco!**

and enjoy a relaxing diving experience...



Serving divers worldwide since 1978 • Friendly, personalized, professional service • Spacious custom dive boat • Only 30 minutes to dive sites • Scuba and snorkeling trips daily • Personally guided tours • World's third longest barrier reef • Mountainous coral formations, tunnels & caverns • Full NAUI, PADI & CMAS certification courses • Two hour introductory (resort) lessons for non-divers • U/W camera and complete dive equipment rentals • Underwater videos of your dive • Hotel/dive packages available

CALL 1-800-247-5338 ext. ROD
 TOLL FREE TODAY!

P.O. Box AB20555, Marsh Harbour, Abaco, Bahamas
 (809)367-2787 • FAX (809)367-2787

CIRCLE NO. 2 ON READER SERVICE CARD

SEA HUGGERS

COMPILED BY UNNDÓR JÓNSSON

Save the whales! Save the reefs! Save the oceans! Give us your money." We're tempted to throw beg-mail in the trash. But as divers, we want a healthy marine environment, and until we can trust the world's governments to do something about it, we'll have to pay for it ourselves. But who should we pay?

Most of us can afford the price of a one-tank dive to support an environmental group that is working for a cause vital to our planet's well-being. That's why we searched through the maze of conservation groups to find the ones most important for divers to support. Each group is different—some comb beaches and take ocean samples, others confront French marines, others lobby politicians, and some do solid and much-needed scientific research. But each is working to preserve our oceans for the future. Now pick your favorites and get out your checkbook.

Your buck stops here. A hands-on guide to marine conservation groups.

AMERICAN OCEANS CAMPAIGN

725 Arizona Ave., Suite 102

Santa Monica, CA 90401

(310) 576-6162; fax: (310) 576-6170

Founded: 1987

Membership: 2,000

Annual dues: \$25

Mission: "To protect the vitality of America's and the world's coastal waters, estuaries, bays, wetlands and deep oceans."

Accomplishments: The first group to warn the public about health risks of swimming in Santa Monica Bay due to toxic chemical runoff after rainstorms and sewage spills. Used congressional moratoriums to block lease sales for offshore gas and oil development in several



360 DEGREES OF CONSERVATION: FROM OCEANOGRAPHIC EXPEDITIONS' LOW-IMPACT RESEARCH DIVER COURSE (TOP), TO CMC'S HANDS-ON BEACH CLEANUPS (ABOVE, LEFT), TO GREENPEACE'S FULL-CONTACT CONFRONTATION WITH NORWEGIAN WHALERS.

coastal states.

What are they doing now? Rallying members to oppose the weakening of the Clean Water Act. Working with the city of Los Angeles to implement a used motor oil recycling program to keep oil out of the sea. Studying the flow of chemicals during rain and the effect on people exposed to these chemicals. Expanding their underwater cleanup program in California to the national level. Seeking diver support for legislation mandating ocean protection.

What you get: An active California ocean conservation group founded by actor Ted Danson and environmentalist Robert Sulnick with an impressive record on issues important to divers.

**CENTER FOR MARINE
CONSERVATION**

1725 DeSales St., NW
Washington, DC 20036
(202) 429-5609; fax: (202) 872-0619

Founded: 1972

Membership: 120,000

Annual dues: \$20

Mission: The CMC focuses on three areas of marine conservation: "Overexploitation of fish and other marine wildlife; physical alteration of marine ecosystems; pollution in all its forms."

Accomplishments: Helped fund the research and development of turtle excluder devices (TEDs), then lobbied successfully for laws that require the use of TEDs in shrimp trawl nets. Worked with National Oceanic and Atmospheric Administration (NOAA) to define sites and set regulations for most U.S. national marine sanctuaries. Sponsors an annual international coastal cleanup program.

What are they doing now? Lobbying for reauthorization of the Clean Water Act as a member of the Clean Water Network. Lobbying for reauthorization of the

**FREE
REEF MARINE ID PROGRAM
\$70 VALUE WITH ALL DIVING PACKAGES.**

*Dive
Provo*

Wow - Dive Provo is great! This wall at Northwest Point is so unspoiled. And with all this marine life I'm glad they gave us the Reef Marine ID course. This is my dream vacation... meet you back at the Turquoise Reef Resort and that gorgeous beach.

Turquoise Reef
RESORT & CASINO

Providenciales, Turks & Caicos Islands

800-234-7768

CIRCLE NO. 61 ON READER SERVICE CARD

SIGNIFICANT OTHERS

THE ANTARCTICA PROJECT

(202) 544-0236

Leaders of the Antarctic and Southern Ocean Coalition—comprised of 200 member organizations from 50 nations—lobbying for minimal human impact on the continent and creating a safe haven for marine mammals around this last frontier.

THE MARINE FISH CONSERVATION NETWORK

(202) 546-0707

A network of 90 organizations that coalesced to lobby for a stronger version of the Magnuson Fishery Conservation and Management Act in order to reestablish a healthy population of harvestable marine fish for the long-term.

THE NATURE CONSERVANCY

(800) 84-ADOPT, (703) 841-4860

A multimillion-dollar conservation group that donates funds from its Rescue the Reef program to coral reef protection in the Florida Keys, Palau, and Parque del Este, Dominican Republic.

OCEANWATCH

(703) 356-2670

A growing Virginia-based group that promotes the ocean through education programs at the National Aquarium in Baltimore. Constructed sand fences to protect dunes on Assateague Island, Va. Need support to expand their volunteer and educational programs to aquariums across the United States.

For a list of other noteworthy conservation groups and how to dive with them, refer to the Volunteer Directory in "A Year's Worth of Volunteer Dives," pg. 52.

Endangered Species Act and the Magnuson Fisheries Conservation and Management Act. Continuing pollution education programs and funding marine research programs.

What you get: One of the larger conservation groups dedicated exclusively to the water world. In addition to lobbying and funding research efforts, CMC gives you a chance to get involved by helping collect and document the 5.2 million pounds of trash they remove from our beaches annually.

CONSERVATION INTERNATIONAL

1015 Eighteen St., NW
Washington, DC 20036
(202) 429-5660, (202) 887-5188

Founded: 1987

Membership: 6,000

Annual dues: \$25

Mission: "To preserve biological diversity and the ecological processes that sustain life on earth" through economically based solutions in developing countries.

Accomplishments: A worldwide environmental record, including two marine conservation programs in Mexico's Sea of Cortez and in the Pacific. In Mexico, CI defined biodiversity hot spots and helped communities implement a management plan for the Upper Gulf of California Biosphere Reserve. Similar programs in Indonesia and the Philippines have focused on ecologically sound uses of natural resources, specifically targeting the elimination of dynamite fishing.

What are they doing now? Working to create a marine reserve in the Togian Islands, Indonesia. Promoting the conservation of the Tubbataha National Marine Park—a World Heritage Site—in the Philippines by educating native fishermen about the dangers of dynamite fishing. Trying to reverse the decline of the Vaquita dolphin in the Gulf of California, Mexico, by establishing reserves encompassing its critical habitats.

What you get: A group of professional marine biologists, economists, forestry experts, lawyers and computer software developers who work with local cultures to harvest the sea without harming the environment in some of the world's most biologically diverse and sensitive areas.

CORAL (CORAL REEF ALLIANCE)

809 Delaware St.
Berkeley, CA 94710
(510) 528-2492; fax: (510) 528-9317



E.R. Gammill

- Florida Environmental Studies Commission
- Associate Porifera Research - Smithsonian Institute
- Professor of Oceanography and Coral Reef Ecology
- Over 1000 dives

— Tampa, Florida

"Visibility over 100'. And rode a whale shark."

Professor Gammill experienced this and more at Utila Lodge. Expect the Honduras Bay Islands' famous diving . . . with a twist.

Spectacular, pristine diving. You'll have the opportunity to dive with whale sharks, enjoy fishing, hiking, kayaking, canoeing, horseback riding, cave explorations, and more. And it's so easy to get to with our new air service.

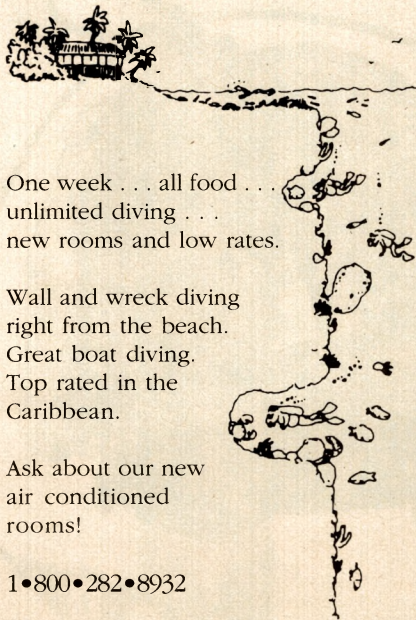
Utila Lodge offers a full service dive operation with large, air conditioned rooms overlooking the water.

All with no hidden costs. Taxes, air transfers, and meals are included in one low price. Want to learn more? Call: 1•800•282•8932.



110 foot wall

a snorkel away from the bar



One week . . . all food . . .
unlimited diving . . .
new rooms and low rates.

Wall and wreck diving
right from the beach.
Great boat diving.
Top rated in the
Caribbean.

Ask about our new
air conditioned
rooms!

1•800•282•8932

CoCo VIEW RESORT
Roatan, Honduras Bay Islands



Playa Miguel

Beach House
Rentals

Beautiful 2 and 3
bedroom oceanfront
vacation rentals on Roatan,
Honduras Bay Islands.
Dive and meal plans available.
For more information, call
1•800•282•8932.

Discover Honduras!

Call 1•800•282•8932



PO BOX 877
SAN ANTONIO
FL. 33576
904•588•4131
FAX 904•588•4158

Founded: 1994

Membership: 1,050 paid members, 4,200 supporters

Annual dues: \$20

Mission: "CORAL works with divers around the world to keep coral reefs alive ... through financial contributions and direct participation in conservation and research projects."

Accomplishments: Created the CORAL Diver Network on the Internet, where divers report and share information on

coral reef conditions worldwide. Contact: <http://www.cca.edu/coral>, or e-mail: CORALmail1@aol.com. Distributed and sponsored circulation of educational material about coral reefs to divers. Helped divers, dive shops and clubs to form local chapters of CORAL and take the CORAL Diver Pledge. Represented the dive industry at 1995's International Coral Reef Initiative in the Philippines (an international marine reserve information and research exchange network).

What are they doing now? Co-chairing the Public Awareness Committee designed to educate the public and plan events for the 1997 International Year of the Reef. Creating a long-term fund to support local conservation of marine protected areas.

What you get: A small but growing group that focuses on divers as effective supporters of coral reef conservation. Although young, CORAL has a record of domestic and international conservation efforts and might be just what hands-on, action-hungry divers want.



**SEVERE
TECH-50D™**

- First to pass the difficult European DIN EN 250 Cold Water Test
- Exceeds US NAVY Group A requirements for Work of Breathing
- Nitrox compatible/convertible to oxygen
- Ideally suited for use in all conditions worldwide

Ranger™

- Proclaimed by many as the ultimate heavy duty BC
- Constructed of strong 1050 denier ballistic cloth
- Low profile modular bladder assembly
- Integrated weights with patented Single Point Ripcord™ weight release
- Thousands of satisfied divers worldwide

Zeagle's full line of quality products are available at authorized dealers worldwide. For more information call: (813) 782-5568



The Quality
You've
Come To
Expect
From
Zeagle®

CIRCLE NO. 85 ON READER SERVICE CARD

THE COUSTEAU SOCIETY

870 Greenbrier Circle, Suite 402
Chesapeake, VA 23320-2641

(804) 523-9335; fax: (804) 523-1909

Founded: 1973

Membership: 300,000

Annual dues: \$25 to \$35

Mission: "Dedicated to the protection and improvement of the quality of life for present and future generations," through an informed and educated public.

Accomplishments: Founded by the *grand-père* of scuba diving, Jacques-Yves Cousteau, the society has been instrumental in bringing the ocean world to life for the general public with award-winning books, films and TV documentaries, including one of the most popular underwater series on television, "The Undersea World of Jacques Cousteau."

What are they doing now? Two vessels, the *Calyпсо* and the wind-powered *Alcyone*, continue their ongoing research of the world's water systems. The society continues to speak on behalf of the environment to governing bodies and world leaders. Jacques Cousteau will present a petition for the Bill of Rights for Future Generations—a declaration to protect the right of future generations to inherit an intact environment—to the United Nations this fall, accompanied by nine million signatures.

What you get: One of the world's premier marine environmentalists, and his team of photographers and scientists, who disseminate the results of their research and exploration to the world.

EARTH ISLAND INSTITUTE

300 Broadway, Suite 28
San Francisco, CA 94133-3312
(415) 788-3666; fax: (415) 788-7324

Founded: 1982

Membership: 95,000

Annual dues: \$30

Mission: "To make oceans safe for marine mammals worldwide."

Accomplishments: Successfully pressed for dolphin-safe tuna fishing practices and monitored their implementation. Helped Russian environmentalists protect Lake Baikal. Fought successfully for wetlands restoration in Southern California.

What are they doing now? Fighting against commercial whaling. Researching high levels of toxins in San Francisco Bay harbor seals. Lobbying for California Assembly bill 1737, which would prohibit "display and possession of newly captured" marine mammals in aquariums.

What you get: A large organization making emotional appeals for the conservation of marine mammals, founded by eco-celebrity David Brower, Sierra Club's former executive director.

GREENPEACE

1436 U St., NW

Washington, DC 20009

(202) 462-1177; fax: (202) 462-4507

Founded: 1971

Membership: 4,000,000

Annual dues: \$30

Mission: "Actively working to preserve the global environment ... through nonviolent direct action, public education and grassroots organizing."

Accomplishments: Supported a number of initiatives, including the International Whaling Commission's moratorium on commercial whaling; a moratorium on dumping radioactive waste in the oceans; the ban on ocean incineration of waste in the United States; a U.N. ban on drift nets; and creation of a whale sanctuary in the seas surrounding Antarctica.

What are they doing now? At press time, trying to stop the French from resuming nuclear testing in the Pacific.

What you get: A high-profile, media-savvy group with a massive following (1.6 million members in the U.S. alone), and almost as many critics. Your \$30 might not make or break Greenpeace's multimillion-dollar budget, but if you want to see your contribution at work on the 6 o'clock news, you'll get your money's worth.

REEF RELIEF

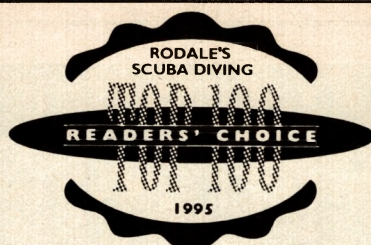
P.O. Box 430

Key West, FL 33041

(305) 294-3100

Founded: 1986

Membership: 2,000



THE FLORIDA KEYS : One of the World's Best Dive Destinations

Dive Key Largo OCT-NOV-DEC SPECIALS Rooms 50% OFF



10 dives for \$159

Slip into the Florida Keys' most comfortable and cozy, all-inclusive bed & breakfast dive resort.

Kelly's on the Bay

Call 1-800-226-0415

305-461-1622

CIRCLE NO. 43 ON READER SERVICE CARD

DIVE The #1 Reef In The U.S.!



PACKAGES FROM \$76.00 PP.DO.

Includes motel, dives, tanks, weights, all taxes and welcome rum punch.

**30 MINUTES FROM KEY WEST
5 STAR PADI CENTER
MOTEL, POOL, DOCKAGE
TIKI BAR, RESTAURANT**

800-942-5397

(305) 872-2215

Mile Marker 27.5 · P.O. Box 509 · Ramrod Key FL 33042
*Source Rodale's Scuba Diving 1994 Readers' Choice Awards

CIRCLE NO. 45 ON READER SERVICE CARD



"It doesn't cost much more to go first class."

Fulfill your vacation fantasy with the most complete PADI 5-Star Facility and dive facility the keys have to offer. A professional crew will safari you to colorful Reefs teeming with fish life, sponge covered walls, and intriguing wrecks. Afterwards, relax on the beach or around the pool at Ocean Pointe Resort. World class 1 & 2 bedroom suites with complete kitchens round out your stay here in paradise.

1-800-433-8946

305-8562-4599

P.O. Box 391

Plantation Key, FL



All Levels of Padi Instruction offered including IDC.

87770 Overseas Highway
Islamorada, Florida
33036
(305) 852-9915



Lookout Lodge

Close to attractions, but far away from crowds, Lookout Lodge offers Superior studios, one and two bedroom suites, a private beach, cooking facilities, fabulous sunsets, and a USCG certified dive boat on premises. Our dive boat the "Sea Raven" is less than a one minute walk from your room. With a maximum of twelve divers aboard you will never feel crowded. Beautiful reefs are minutes away.

RESERVATIONS: (800) 870-1772

CIRCLE NO. 46 ON READER SERVICE CARD

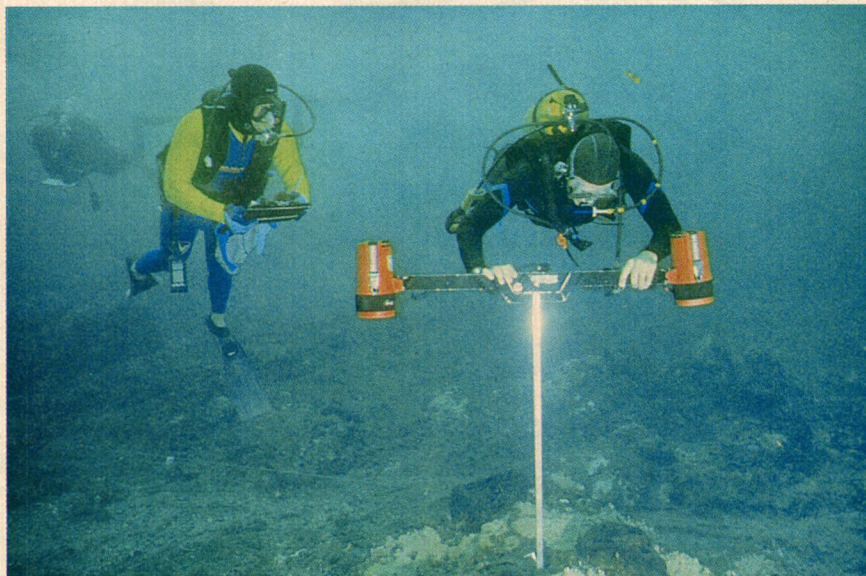
DIVE the CONCH REPUBLIC



Avoid the crowds.

The FLAGSHIP is at our back door!
Charters · Packages · Groups · Instruction
The Upper Keys MM 90.3 **1-800-274 DIVE**

CIRCLE NO. 44 ON READER SERVICE CARD



USING A REPETITIVE FRAMER, DIVERS PHOTOGRAPH A SECTION OF REEF, ALLOWING THEM TO COMPARE IT TO PAST PHOTOS OF THE SAME SECTION AND MONITOR CHANGES IN THE REEF'S HEALTH.

Annual dues: \$20

Mission: "To preserve and protect the living coral reef of the Florida Keys."

Accomplishments: Instrumental in raising awareness of declining water quality in the Keys and pressing for tougher regulations of sewage disposal. Began a pro-

gram of installing mooring buoys. Reef Relief currently maintains 116 buoys off Key West. Used its \$10,000 Robert Rodale Environmental Award to start a photomonitoring project of Florida Keys reefs and discovered a previously unknown disease attacking some corals

in the Lower Keys.

What are they doing now? Monitoring water quality in the Keys and ensuring that recent regulations on injection wells are followed. Researching yellowband disease affecting coral.

What you get: A dedicated group of Florida Keys locals focused on the health of the United States' largest reef tract.

REEFKeeper INTERNATIONAL

2809 Bird Ave., Suite 162

Miami, FL 33133

(305) 358-4600; fax: (305) 358-3030

Founded: 1989

Membership: 450 individuals, 300 groups

Annual dues: \$25

Mission: "Dedicated to the protection of coral reefs and their marine life."

Accomplishments: Testified for establishment of a no-trawling zone around the fragile Oculina Coral Banks off central Florida. Successfully lobbied for no-dredging buffer zone near coral habitats in southwest Florida. Supported the elimination of live-rock collecting in the Gulf of Mexico by the end of 1996. Requested no-dredging zone near Hawaii's coral

Voted America's Best



MARINA DEL MAR
Resort and Marina

- ▶ Favorite U.S. Resort/Operation
- ▶ Favorite U.S. Day Boat Operation
- ▶ Favorite Dive Retailer
- ▶ Most Environmentally Sensitive Resort

- ▶ Favorite Reef Dive
- ▶ Favorite Night Dive
- ▶ Favorite Wreck Dive
- ▶ Favorite Beginners Dive Destination

Celebrating 20 Years of Serving You!

800-451-1113 ext. R.O.D.

522 Caribbean Drive, Key Largo, Florida 33037

TEL: (305) 451-1113

FAX: (305) 451-5765



reefs. Presented an environmental assessment report to the Island Council of Curaçao that supports protection of the island's Eastpoint Reefs.

What are they doing now? Fighting construction of a cruise ship pier on Cozumel's Paradise Reef. Submitting a request to participate in the U.S. Coral Reef Initiative and International Coral Reef Initiative as a nongovernmental organization. Conducting a petition drive in the South Atlantic and Gulf of Mexico regions to ban wire-mesh fish traps disguised as lobster traps.

What you get: An affiliate of the American Littoral Society and a conservation group that concentrates on areas of concern to divers and mutually supports like-minded dive professionals and organizations.

SURFRIDER FOUNDATION

122 S. El Camino Real #67

San Clemente, CA 92672

(800) 743-SURE, (714) 492-8170

Founded: 1984

Membership: 25,000

Annual dues: \$25

Mission: "Dedicated to the protection and enhancement of the world's waves and beaches through conservation, activism, education and research."

Accomplishments: Halted disposal of hazardous waste from two pulp mills into the surf zone off Humboldt County, Calif., the second-largest Clean Water Act suit to date. The mills paid \$5.8 million in fines and \$50 million cleaning up their toxins. A variety of successful coastal restoration programs, from building up the dunes along North Carolina's Outer Banks, to mapping the location of storm drainage outfalls for regional water-quality control boards and city planners near coastal beaches.

What are they doing now? Continuing programs in which members help monitor water and beach quality.

What you get: A grassroots, activist group of surfers and divers who are stoked for protecting the coastal environment.

WHALE CONSERVATION INSTITUTE

191 Weston Rd.

Lincoln, MA 01733

(617) 259-0423; fax: (617) 259-0288

Founded: 1971

Membership: 1,000

Annual dues: \$15

Mission: "To protect and conserve whales through research and international educational initiatives."

Accomplishments: Founded by Dr. Roger Payne, who helped pioneer research on humpback whale songs. WCI has monitored four generations of southern right whales in Argentina—the longest ongoing study of a specific whale population to date. Has increased awareness and provided educational material with numerous films and magazine articles about whale research in the past 25 years.

What are they doing now? Starting a five-year program—the ECOTOX program—

to study the accumulation of toxins in the ocean and how marine mammal immune systems are affected. Attempting to determine if recent pox-like skin lesions on southern right whales are related to toxin accumulation.

What you get: Some of the world's foremost whale scientists performing continuous whale research from a specially designated whale research vessel. Long-term conservation through educational programs. ©

There's MORE to BONAIRE than GREAT DIVING

Call Today for Your FREE Bonaire Dive Guide and see why Bonaire is "The Natural Choice."

1-800-U-BONAIRE

Bonaire
DUTCH CARIBBEAN
THE NATURAL CHOICE.

Visit Bonaire on the Internet at:
<http://www.interknowledge.com/bonaire/index.html>

Aruba
Curacao
Bonaire
Venezuela

CIRCLE NO. 28 ON READER SERVICE CARD

© 1995. All Rights Reserved. Tourism Corporation Bonaire/TCB & Cline Group

FIELD NOTES

SUDDEN IMPACT

BY RICHARD MARTIN

Interacting with marine life is one of the greatest pleasures of our sport. To come face-to-face with a wild animal in its natural environment is a powerful remedy for our self-made prisons of steel, concrete, laws and conventions. And who among us has not dreamed of riding a giant manta ray or stroking a wild dolphin?

In truth, few wild animals benefit by contact with us—and some may be harmed by our actions. Every living thing has a finite energy budget, and calories that go into self- or home repair are no longer available for other uses—including locomotion, growth or reproduction. Does that mean that during dives we shouldn't interact with the residents? Not necessarily. But it is important that we understand the effects of our actions and use that knowledge to minimize our negative impact.

ONE SMALL STEP FOR MAN, ONE GIANT NUISANCE FOR FISHKIND

The very act of entering the ocean can cause massive disturbances. The classic giant-stride entry we're taught to use when diving from a boat is easy and fun. But it's also riotously noisy, alerting every living thing in the area to duck for cover or zip away at Warp Factor 8. If you think about it, using the giant-stride entry is rather inconsiderate of the residents. Consider that many reef fish spawn off the outer reef face, where the water is clear for sexual signaling and gentle currents can carry fertilized eggs offshore and away from the many hungry mouths of the reef. A large monkey dressed in neoprene unexpectedly leaping on top of a mating pair of fish does more than cramp a fish's style—it interrupts mating behaviors that are absolutely vital to a species' survival. In addition, in the great splash and confusion following a giant stride, predators may opportunistically seize prey temporarily startled into indecision. To reduce your impact on the environment, enter the sea quietly using a seated entry. If your reputation doesn't precede you, you'll vastly

improve your chances of seeing skittish creatures and observing interesting behaviors.

GIVE 'EM SPACE

We've all heard about the negative impact of bumping coral and feeding fish. But the workings of nature are more complex than our green truisms. For example, many believe that by kneeling on an area of open sand or rock, they do not adversely affect the environment. Yet living space is one of the most



ALEX KIRKBRIDE

precious commodities in the ocean and many delicate creatures—algae, bivalves, worms, sea urchins, starfish, sea cucumbers and fishes—live on or in the substrate. Not only can these cryptic critters be crushed or killed by a diver's weight, but their burrows can also be destroyed.

In order to avoid harming bottom-

These low-impact diving techniques will not only reduce your effect on marine critters, they might help you make a few friends.

dwelling organisms, be sure that you are correctly weighted and your buoyancy skills are honed. If you maintain neutral buoyancy at all times during a dive, you'll have no reason to make contact with the bottom. After all, you don't want a reputation as a home wrecker.

CUT THE CHASE

You'll also see more if you behave yourself when you get under. For instance, there's not much point in chasing around marine critters.

No matter how good a swimmer you are in human terms, by the criteria evolved over millions of years by life in the sea, you are clumsy and awkward. Just about everything in the sea can outswim you. By chasing marine life, a diver not only wastes his energy but also that of the creature he wants to get close to.

Critters have no way of understanding that you mean them no

harm. Poking a "sleeping" fish to see if it's really asleep can cause it to injure itself in a panicked attempt to flee. Contrary to what you might have read, it may take minutes to provoke a pufferfish or porcupinefish to inflate itself. Similarly, it requires an awful lot of prolonged squeezing to force a sea cucumber to expel its internal organs as an escape mecha-



Dive the Walls of

GRAND TURK & SALT CAY

Turks & Caicos

Turks Head Inn

Fine mansion built circa 1840
Oldest hotel on Grand Turk
Modern comfort with TV/AC
European/Caribbean cuisine
Private balconies overlooking the ocean



Call "X" at 809-946-2466

CIRCLE NO. 69 ON READER SERVICE CARD

GUANAHANI BEACH HOTEL

Nestled on 3 miles of white-sand beach facing west
Spectacular Sunsets, Beach bar,
T.V., A.C., Pool, Fine Dining

809-946-2135

Fax: 809-946-1460

CIRCLE NO. 64 ON READER SERVICE CARD

HOTEL KITTINA on the beach

43 rooms and suites with kitchens,
A/C, cable TV, phones in rooms,
pro dive shop, deep sea fishing,
special dive and vacation packages.

Reservations Only

1-800-KITTINA

Info/Reservations 809-946-2232

Renovated 1994

CIRCLE NO. 63 ON READER SERVICE CARD

Make friends you will never forget...

GRAND TURK

Turks & Caicos



PADI & NAUI Instruction
Package & Group Rates

Friendly Staff, Personalized Service

Phone or Fax

SEA EYE DIVING (809) 946-1407

CIRCLE NO. 68 ON READER SERVICE CARD



Send for our
Award-Winning
Salt Cay Video

MT. PLEASANT GUEST HOUSE SALT CAY

Have	Don't Have
<input type="checkbox"/> Cattleboats	<input checked="" type="checkbox"/>
<input type="checkbox"/> Lousy Food	<input checked="" type="checkbox"/>
<input type="checkbox"/> Noisy Nightlife	<input checked="" type="checkbox"/>
<input type="checkbox"/> Limited Visibility	<input checked="" type="checkbox"/>
<input type="checkbox"/> Man-Eating Mosquitos	<input checked="" type="checkbox"/>
<input type="checkbox"/> Beat Up Coral	<input checked="" type="checkbox"/>
<input type="checkbox"/> Surly Natives	<input checked="" type="checkbox"/>
<input type="checkbox"/> Hostile Crew	<input checked="" type="checkbox"/>
<input type="checkbox"/> Long Trips to Dive Sites	<input checked="" type="checkbox"/>

What we do have is great diving, two boats—no waiting, sensational food, the friendliest people in the Caribbean, and even fun things for non-divers: horseback riding, shelling, snorkeling, and deep-sea fishing.

Tie this in with exploring our thrilling, recently-discovered, never-salvaged, 18th century British warship, bristling with giant cannons and four anchors in a lovely 25 foot deep coral canyon.

For reservations and further information:

Toll Free **800-531-7996** or Direct at **809-946-6927**

CIRCLE NO. 66 ON READER SERVICE CARD

nism—these organs will eventually be regrown, but only by co-opting calories that could have gone into other activities (like, say, ballroom dancing).

In addition, many marine animals are delicate and can be easily injured or killed as a result of being handled by a diver. Sea fans and sea rods, for example, are unlikely to be harmed by a gentle touch, but wrapped around their stems and living among their polyps is a veritable zoo of delicate creatures—including

brittle stars, tiny shrimps, snails and gobies.

ACT LESS STRANGE— HUM UNDER WATER

In order to get close to marine creatures, it is best to be as nonthreatening as possible, and try to be interesting in some way. I don't mean to imply anything without having met you. For all I know, you're a marvelous conversationalist and the life of every party. But marine critters don't go to

many parties. In general, maintain a horizontal position in the water column; this reduces your strangeness as most swimming creatures are longest in the direction of travel. Rather than chasing marine life, try hovering motionless near the bottom, oriented horizontally. In a few minutes (be patient), the local soggy set will come and check you out. Here's where the "being interesting" part comes in. Sharks, for example, are notoriously uninterested in divers. Rather than feeding a shark in order to compel it to stick around for a while, try humming into your regulator. Almost anything composed of low notes and a simple, but not-too-regular rhythm works well. "Waltzing Matilda" has always worked for me, although the theme from "Gilligan's Island" may be more to your taste. Making low, rhythmic sounds reduces your strangeness and gives residents a sense of what kind of creature you are.

SHUTTERBUGS

This brings us to a very special type of creature: the underwater photographer. For photographers, the underwater realm offers some challenging technical problems and a dazzling array of exotic subjects. But many photographers show no compunction in "improving" nature's composition by moving a nudibranch, shrimp or frogfish next to a colorful sponge to make a more dramatic picture. It is very easy to injure such tiny creatures by attempting to move them; some critters, such as crabs, will actually sacrifice a limb rather than be captured. If you must move a critter, as a rule of thumb, push rather than pull small animals, as body projections such as limbs or antennae can easily break off. Equally as important, the photographic subject must be put back exactly where it was found. Especially on coral reefs, ecological niches are divided up very finely. Two crevices or hollows may look the same to you or me, but for reef critters they may offer vastly different shelter—and dangers.

The keys to being an environmentally friendly diver go far beyond simply not crashing into coral or feeding fish. Empathy and respect for the residents are also important. Move slowly and quietly. Allow creatures to come to you, rather than vice versa. And resist the urge to handle the natives. If you do your best to be a well-mannered visitor, you'll be welcomed back. 🐠

Marine biologist Richard Martin lives in Vancouver, British Columbia.



IT'S CRYSTAL CLEAR SAND DOLLAR IS THE PLACE TO GO

**Pristine Waters, Magnificent Sunsets, Incredible Accommodations,
Unbelievably Relaxing - The Clear Choice in Bonaire.**

The Choice is Crystal Clear. Bonaire's premiere dive resort is clearly SAND DOLLAR CONDOMINIUMS & BEACH CLUB.



Everything at SAND DOLLAR CONDOMINIUMS & BEACH CLUB is centrally-located right on the dock - the dive store, photo & video facility, guest equipment storage and restaurant! SAND DOLLAR DIVE & PHOTO is simply unparalleled for convenience. After a dive, take a few steps out of the water and you're

relaxing in the open-air GREEN PARROT restaurant, watching a breathtaking sunset. Then it's off to your ocean-front condo, with air-conditioned bedrooms, large living areas, cable TV, full kitchens and private balconies. Call for complete family vacation packages and ask about our kids program - the SAND PENNY CLUB! *It's Crystal Clear...* In Bonaire, SAND DOLLAR is the place to go for world-class diving and luxury accommodations!



SAND DOLLAR CONDOMINIUMS & BEACH CLUB • BONAIRE'S PREMIERE DIVE RESORT

RESERVATIONS: 1-800-288-4773 OR 407-774-9292, BONAIRE: 599-7-8738

VOLUNTEER DIVES

(Continued from page 51)

PREREQUISITES: Certified divers, preferably advanced open-water.

WHY DO IT: Help preserve the most extensive reef system in the Western Hemisphere.

Adopt-A-Reef

Florida Keys National Marine Sanctuary

MISSION: To "adopt" a reef and keep it clean. This is the underwater version of the nationwide Adopt-A-Highway program. Jointly sponsored by FKNMS, The Bacardi Foundation, The Nature Conservancy and local dive operators.

WHAT YOU'LL DO: After receiving training in proper reef clean-up techniques, volunteers collect marine debris and use cutters to remove monofilament line.

DATE AND COST: Saturdays and Sundays in the

Make your dives count: Adopt a reef in the Keys; count fish in Belize; track conch with metal detectors; save an island in the Philippines.

spring and fall. Reduced rates from dive operators.

INCLUDES: Training program.

PREREQUISITES: Excellent buoyancy skills.

WHY DO IT: This is America's only coral reef tract. Help keep it clean.

Queen Conch Research

Florida Keys National Marine Sanctuary/Florida Marine Resources Institute

MISSION: To assist in planting and monitoring hatchery-reared queen conch that have been tagged.

WHAT YOU'LL DO: Hand-plant conch and monitor movement with underwater metal detectors. Three volunteers are needed to dive four days a week during planting periods. Three volunteers are needed to dive twice a week for 12 weeks after planting.

DATE AND COST: Through October 1996. Planting periods are in January, April and July.

INCLUDES: On-site training.

PREREQUISITES: Certified divers. Boat owners are also needed.

WHY DO IT: Insufficient localized spawning and larval influx have prevented queen conch populations from rebounding to healthy levels. Divers can help the conch recover and help scientists determine factors necessary for survival of hatchery-reared animals.

Rapid Response Initiative

ReefKeeper International

MISSION: To empower local citizen groups with site-specific environmental assessments that can be used to protect reefs from imminent damage or destruction. Remember "Mission Impossible"? ReefKeeper expeditions are planned on short notice in response to threats to reefs in Florida and the Caribbean.

WHAT YOU'LL DO: Depends on the project. In the past, volunteers have surveyed bottom cover, counted and identified reef fish, and photographed reefs.

DATE AND COST: Dates vary. Volunteers pay their own airfare. Lodging and meals are sometimes provided at no cost. Diving is free.

PREREQUISITES: Must be in good physical condition; possess U.S. citizenship (where needed) and DAN insurance; have own dive gear.

WHY DO IT: An environmental assessment of the effect of the planned cruise ship pier on Cozumel's Paradise Reef spurred efforts to halt its construction. In Curaçao, ReefKeeper determined that coastal development projects would harm fringing reefs and prompted local groups to fight the plans. At press time, ReefKeeper was under water in Golden Beach, Fla., to determine the impact a proposed dredging project would have on offshore reefs.

Oceanwatch

Marine Conservation Network

MISSION: To preserve and protect the marine environment of northern and central California through monitoring activities, educational programs and publications.

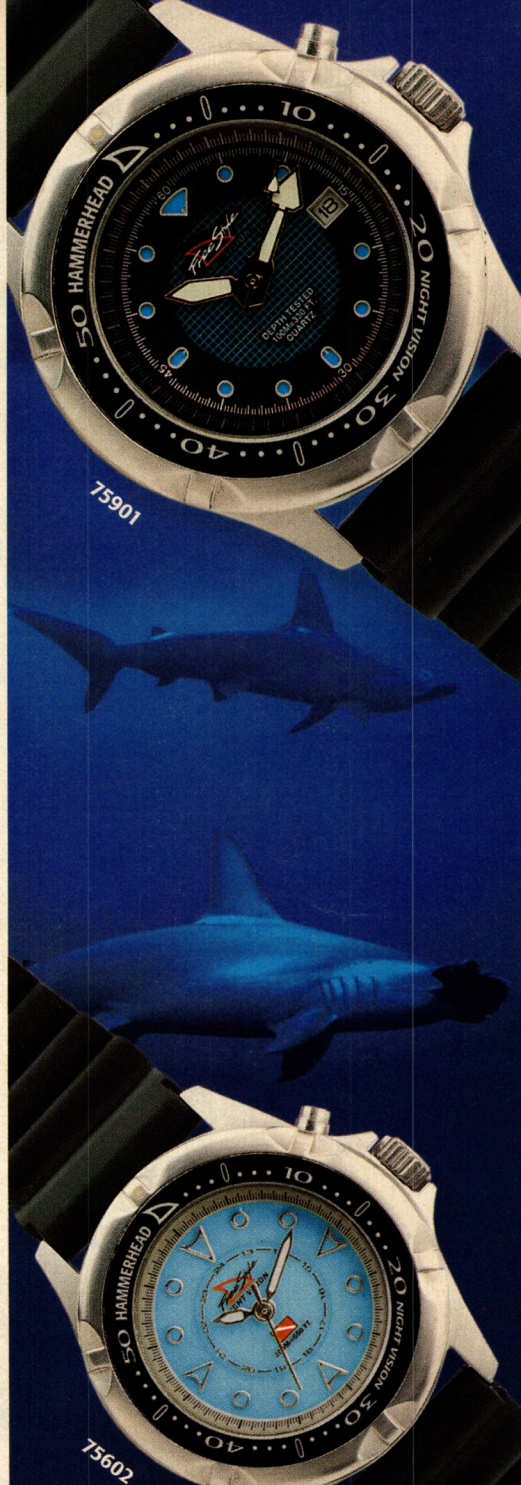
WHAT YOU'LL DO: After receiving training, volunteers use standardized log sheets, and still and video photography to document observations and changes to underwater habitats, including sightings of unusual species and damage to the habitat.

DATE AND COST: Training seminars are scheduled throughout the year. The annual fee is under \$30.

INCLUDES: Training program, workbook and newsletter.

PREREQUISITES: Certified divers familiar with California diving conditions. Nondivers, snorkelers and free divers are also needed.

WHY DO IT: Go west, young diver. The Marine Conservation Network is committed to preserving this part of the California coast and instilling that commitment in recreational divers.



The new Hammerhead™ Night Vision™ for men and women. Solid stainless steel and depth tested to 660 feet.

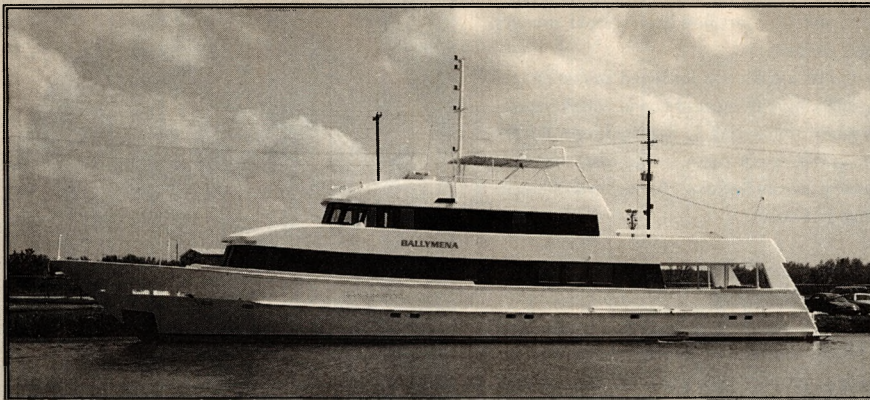
NIGHT VISION
ILLUMINATED DIALS

FreeStyle USA
PERFORMANCE TIMING MACHINES

For more information or a dive shop near you, call (800) 776-6449 ext. 118

FreeStyle U.S.A. 161 Plaza La Vista Camarillo, CA 93010

© copyright 1995 FreeStyle U.S.A.
CIRCLE NO. 83 ON READER SERVICE CARD



Excitement Under Water, Adventure On Land, Luxury Afloat ...

MV *Ballymena* 124ft. Luxury Motor Yacht

- 10 Airconditioned, En-suite, Double Staterooms
- Two Excursion Boats
- Spectacular Diving Expeditions to the Andros Barrier Reef, Exuma Sound & remote Southern reaches
- Ocean Kayaks, Windsurfing, Sports Fishing, Out Island Explorations & Environmentally Oriented Activities
- On-board E-6 Film processing & Video editing, cellular phone, fax and meeting facilities with full a/v capability
- Weekly Cruises from Nassau, also Custom Charters



(800) 241-4591

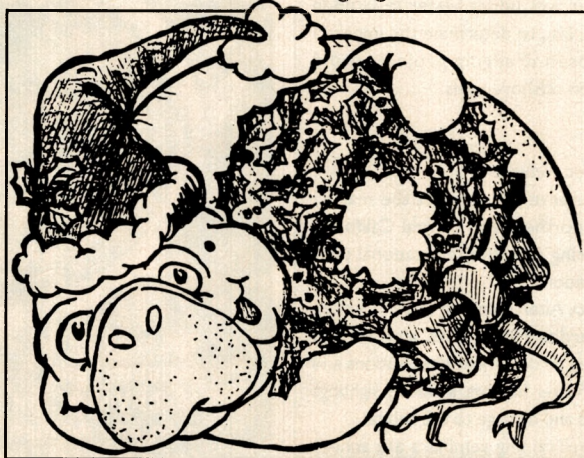
In Nassau:
Tel (809) 394-0951
Fax (809) 394-0948

CIRCLE NO. 91 ON READER SERVICE CARD



Adopt-A-Manatee®

The "Natural" Gift for the Holidays



©TIM THOMAS UNINHAVEN, FL

Are you looking for a thoughtful and unique gift this holiday season? You can help to save this endangered species by adopting a manatee for someone you love. "Parents" receive an adoption certificate, a photo and biography of their manatee, and a newsletter subscription. Your contribution will go toward education and public awareness, research, rescue and rehabilitation, and lobbying efforts to protect manatees and their habitat.



Save the Manatee® Club

500 N. Maitland Avenue, Maitland, FL 32751
or call 1-800-432-JOIN (5646)

ECO-HEROES

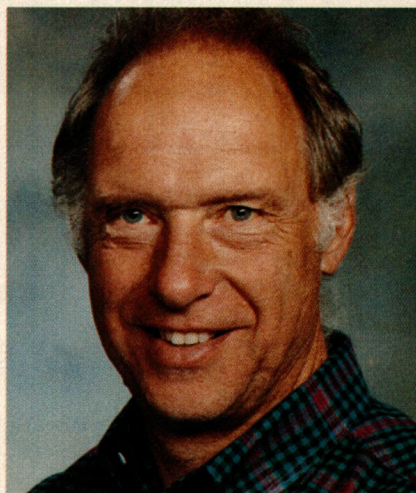
(Continued from page 48)

for heroic deeds.

"In terms of continued, long-term leadership for sanctuaries, there's no question that person in Washington has been Leon Panetta," says Rachel Saunders of the Center for Marine Conservation in Monterey. Panetta, who held Farr's seat before becoming Bill Clinton's chief of staff in 1994, vowed to fight for the bay in the early 1980s when the Reagan administration announced plans to drop it as a sanctuary candidate. He made good on the promise in 1988 when he spearheaded legislation to push not only Monterey Bay toward designation, but a half-dozen other sites as well.

Panetta's and Farr's efforts required the help of something the environment is coming to depend on more and more—bipartisanship. Former Republican Congressman Tom Campbell helped persuade NOAA to extend the sanctuary's proposed boundaries north into his San Mateo district. Republican governor Pete Wilson played a key role in getting then-President George Bush to sign off on Monterey Bay in 1992. In fact, if Farr is to realize one of his future environmental goals—a marine management plan for the entire West Coast, including Alaska and Hawaii—he'll have to maneuver across a logjam of state and party barriers.

"The abuses of ocean resources don't respect political boundaries," he says.



★ CHARLES JURASZ

Watching whales before whale watching was cool.

In the world of whale research, Charles Jurasz is a true pioneer. Long before whales became a fashionable environmental symbol and whale watching

became a leisure activity, Jurasz was out in Glacier Bay, Alaska, tooling around in a 14-foot skiff, snapping photographs of humpbacks and freezing his buns off.


"I wore this big, fleece-lined coat, but there were many days when I wondered why I was out there doing it," Jurasz recalls. Indeed, there seemed to be little reward. When Jurasz dutifully reported his big find—the then-radical notion that he could identify individual whales by their black and white tail patterns with the help of photo documentation—academics in the field openly scoffed at him.

"I really respect guys who early on come up with something completely unique and it turns out to be right," says Sally Mizroch, a whale specialist with the National Marine Mammal Laboratory. "Chuck and a few other guys were saying, 'Hey, I think I can tell these animals apart,' and they went through hell for believing that."

Jurasz, now 56, proceeded to use his method to record humpback migration patterns and behaviors, and he became one of the first researchers to document extensively a humpback feeding method called "bubble-net feeding," in which a whale traps tiny crustaceans or fish with bursts of blown bubbles. He and others also sounded an alarm early on that increased boating traffic in Glacier Bay by the late 1970s might be causing whales to leave, a theory not popular with the growing whale-watching industry.

"I told them you can't invite people in without educating them first," says Jurasz, who admits the theory remains controversial. "Some people accused me—can you believe this?—of being against whale watching."

Jurasz's greatest contributions may lie in education. In 1970, he moved his wife Ginny and two small children, Peter and Susan, aboard a 50-foot wooden boat called *Ginjur*, and for more than two decades the family hosted some 1,300 high school, college and graduate students who—along with noted biologists such as Sylvia Earle—assisted in the field work of his Sea Search program.

"It's great to watch young people learn about these creatures," enthuses Jurasz. "Heck, the most complete record of whale breathing rates was done by my daughter Susan from the time she was eight until she turned 20. She held the stopwatch. I told her she had a whole Ph.D. project right there." 

Field editor Paul Kvinta is based in Austin, Texas.

IN WHATEVER LANGUAGE IT'S PARADISE



a putting green, a world-class spa, a game room, nightly shows, and entertainment. And the only tip you'll give is to tell your friends about Paradisus.

Melia Mayan Paradisus
All-Inclusive
Isla de Cozumel
Call your travel agent or
1-800-33-MELIA
1-800-336-3542



Welcome to Paradisus, our 5-star luxury resort located on the loveliest beach in Cozumel. This being paradise, you'll never have to concern yourself with quality or cost. Paradisus offers the finest of everything for one inclusive price. The amenities are first-class and our recreation goes far beyond watersports and tennis, featuring horseback riding,

CIRCLE NO. 39 ON READER SERVICE CARD



Welcome to the underwater paradise of Caribbean Divers International and experience Cozumel's most professional dive operators.

Visit the reefs of Palancar, Colombia, and many more... explore Cozumel's coastline, fringed by coral reefs and teeming with exotic tropical fish. Scuba Diving and Snorkeling here are considered among the best in the world!



Packages from
\$99
Per diver/dbl. occ.

Includes:

- 3 Days/2 Nights Hotel (E.P.)
- 2 Tank Boat Dive (box lunch)
- Unlimited air in Chankanoob National Park
- Transfers Round-Trip Airport-Hotel
- All Federal Taxes
- Other Packages Available; from Basic to Luxurious
- Extra Boat Dive and Extra Nights Available

Effective July 15 to Dec. 20, 1995

Call
1-800-874-7312

or contact your favorite Dive Operator or Travel Agent.

CIRCLE NO. 33 ON READER SERVICE CARD

DIVE MEDICINE

DEAR DR. SCUBA


BY SAMUEL SHELANSKI, M.D.

Q I am an M.D. who has asthma and who wants to dive. Do you think there is value for an asthmatic in ascending in "steps"—that is, stopping for a full inspiration and expiration before ascending to the next step? Also, since exercise-induced bronchospasm is provoked by cooling and drying of the airways, should asthmatics use the type of regulator that warms the air by use of "radiator fins," which bring the air temp up closer to water temp, normally used for ice diving? Is there any type of device that both warms and humidifies the air you breathe from a tank?

ELAINE TURNER, M.D. / RICHMOND, VA.

to minimize the risk of AGE.

There may be some benefit in using one of the regulators that is supposed to humidify the air that you breathe. A substantial amount of heat is lost by the lungs in humidifying the dry air that is inhaled during diving. By reducing the amount of humidification necessary, the airways would not be cooled to as great an extent, theoretically reducing the risk of triggering an attack in an asthmatic with cold-induced asthma. However, no asthmatic should dive with asthma so poorly controlled that this potential benefit would make any significant difference in the risks of having an asthma attack while diving.



Ascending in steps could reduce the risk of arterial gas embolism in all divers, not just asthmatics.

A I'm not sure whether or not there is a benefit in ascending in "steps." Your theory is logical: by exhaling fully before ascending, you decrease your lung volume, thereby reducing the risk of over-expansion injury. However, the argument could be made that if air-trapping occurs behind an obstruction, this air would not be exhaled. In this case, ascending in steps would provide no protection against pulmonary barotrauma.

In practice, probably the greatest benefit of this method would be in making you acutely aware of your rate of ascent. Recent research shows that 80 percent to 90 percent of all arterial gas embolisms (AGE) are thought to result from overly rapid ascents related to panic, out-of-air situations and uncontrolled buoyancy. Ascending in steps could significantly reduce the risk of AGE in *all* divers, not just asthmatics. This does not mean that all divers should now ascend in this manner, but all divers should ascend at 30 feet per minute or less

to minimize the risk of AGE.

You shouldn't need to hang up your fins. You say that you've seen several physicians for this problem and that they have prescribed several different medications. These are all appropriate measures to try, assuming that there is no anatomical abnormality that makes clearing your ears more difficult. Since these medications have not worked, we need to look at other ways to deal with your problem.

Many people who learn to dive are taught to clear their ears using the Valsalva maneuver, tensing the abdominal muscles, forcing air into the Eustachian tube and inner ear. While this is an easy and usually effective way to clear one's ears, it does not work for everyone. Other methods include swallowing and pressing the back of your tongue against the roof of the mouth while holding your nose. Whichever method you use, I suggest that you try one of the others to see if it works.

You also say that physicians have found inflammation of your eardrum after a dive. This can frequently occur when the drum is subjected to unequal pressures, and indicates that you are either rushing to descend without adequate equalization, or that you are being overly forceful in pushing air into your inner ear. In either case, make sure that you are clearing your ears, gen-

Q I am a 35-year-old male who has been diving for two years. I have a terrible time equalizing the pressure in my ears upon descent. The first 30 feet is the most difficult. I have seen several physicians who have prescribed medications such as Entes, Seldane-D and Vancenase, all to no avail. Physicians have examined me the day after a dive, and find inflammation but no damage to the eardrum. Do you have any advice short of hanging up my fins?

JOSEPH PRZYTYLA, JR. / RAHWAY, N.J.

tly, from the surface, before you even start to descend, and clear with every breath. If you have to force air in, then try ascending a little bit and clear again. The Eustachian tube will seal if there is a pressure gradient, and it may be that your ears are particularly sensitive to this gradient, requiring more than normal care to equalize.

Q *Is it safe to dive after having a photorefractive keratectomy (PRK)? It is claimed that it uses lasers but no heat is generated and no tissue is burned. Wouldn't there be an air space in the cornea after the PRK?*

TOTOY ONG / MARIKINA, PHILIPPINES

A I consulted with an ophthalmologist concerning your question. She informs me that an air space does not result in the cornea as a result of photorefractive keratectomy, and that once the surgeon has determined that the eye has healed, there should be absolutely no contraindication to diving. I would like to use your question as an opportunity to address the issue of diving after surgery in general.

While diving subjects the body to

various physiological stresses, it is fundamentally a low-impact sport physically. The body is not subjected to many bumps and bangs. As such, diving is possible after many, if not most, surgeries. Whether or not a person can dive after a particular surgery depends, of course, upon the type of surgery, and upon the individual patient, but some general statements can be made.

The most important of these is that the person must allow a suitable amount of time to heal and recover from the surgery before starting to dive. The determination of when a person is sufficiently healed to resume regular activities should be a combined decision of the patient and the surgeon.

While you may be able to resume diving, it may require some changes from your previous diving patterns. For example, a person who has had lower back surgery may be advised to avoid surf entries where it may be necessary to carry the weight of a tank for some distance.

If you're told not to dive, don't be afraid to get a second opinion. Many physicians who are not familiar with diving medicine will, quite correctly, tell

their patients that they cannot dive after a particular procedure. When confronted with an unknown, physicians can only advise their patients to take the safest possible route. If I had not consulted an ophthalmologist, I would have had to advise you not to dive after PRK. On occasion this may result in a person being incorrectly told not to pursue a particular activity. If you suspect that this may be the case, consult an expert. Divers Alert Network (DAN) maintains a list of physicians who are interested in treating divers, and may be more capable of assessing whether or not a person can dive after recovering from surgery. This does not mean that you should go from doctor to doctor until you find one who says you can dive. If an experienced and knowledgeable physician tells you that you would be at substantially increased risk of injury from diving as a result of any medical condition, you would be foolish to dive.

Questions for Dr. Shelanski should be addressed to RSD, Dive Medicine, 6600 Abercorn St., Suite 208, Savannah, GA 31405; or you can e-mail us at RSDmgzn@aol.com.

TURKS & CAICOS ISLANDS



Provo Turtle Divers

Providenciales, Turks And Caicos Islands, British West Indies



"One of the 10 Best Dive Spots in the World."

— Jacques Cousteau



Art Pickering...
*the man who launched
a thousand dives...*

- Pioneer in Turks & Caicos
- Dive Professional
- 25 years of experience
- On property Dive Shop
- PADI instruction
- Resort dive courses
- Equipment sales & rentals
- Relaxed & Personalized

BELOW THE WATER

Dive one of the ten best spots in the world - with the best, oldest and most experienced dive operator in the Turks & Caicos Islands, explore our spectacular Virgin Reefs, the famous Walls of Northwest Point and West Caicos as well as other terrific, unspoiled dive sites.

ABOVE THE WATER

Ocean Club gives a taste of paradise on earth. Located on the beach, it's beautifully landscaped and relaxing. Our condominium suites are spacious and comfortable with the amenities you expect of a sophisticated resort. Enjoy our panoramic views of Grace Bay... Play some tennis, golf at the adjacent Provo Golf Club or visit our new Ocean Club Retail Plaza, featuring Oasis Boutique, Sand Castle Convenience Store, Royal Jewels & Tropical Auto Rentals.

For Reservations Call your Travel Agent or Call



Phone 1-809-946-4232
Fax 1-809-941-5296

CIRCLE NO. 67 ON READER SERVICE CARD



Phone 1-800-457-8787
Direct 1-809-946-5880
Fax 1-809-946-5845

CIRCLE NO. 65 ON READER SERVICE CARD

KILLER SHIRT!

ONLY \$11.99

GET YOUR
OFFICIAL RODALE'S
SCUBA DIVING
T-SHIRT—100%
COTTON, HANES
BEEFY-T,
AVAILABLE
IN L OR XL.



(912) 353-5248

VISA OR MASTERCARD ORDERS
SHIPPING & HANDLING—\$4 PLUS
\$1 EACH ADDITIONAL SHIRT

CHECK or MONEY ORDER mail to:
RSD T-shirts, 6600 Abercorn
Street, Ste. 208, Savannah, GA
31405. Make check payable to
Rodale's Scuba Diving and include piece of
paper with your name, address and daytime
phone number. Specify size and quantities.
Include \$4 S&H, plus \$1 each additional shirt.

New Dive Travel Video Series... Oceans

Fiji...Palau...Truk Lagoon...Galapagos and More!

Discover the world's most exciting dive destinations in the award winning video series, OCEANS Dive Travel! Dive the best sites...visit the resorts...cruise on the liveaboards...taste the local culture! You'll experience it all in fast-moving, colorful, broadcast quality 60-minute videos.

**Each OCEANS tape is only
\$24.95 plus \$2.95 s/h.
Series Subscriptions available.**



To order or for information, call us toll free at

1-800-22-OCEAN.

Ask about our u/w music videos and MPEG video CD's.

THANKS FOR THE TRUST YOU PLACE IN US.

Why do I trust Rodale's Scuba Diving? Because it's educational, fun to read, visually exciting with honest, intelligent articles that evaluate and rate dive sites and a full price range of dive equipment without promotional hype. That's why! Thanks for a great magazine.

**Alan Kay
Bethesda, MD**

Other dive magazines float so many puff pieces, it feels like they're blowing bubbles for resorts and operators. Rodale's Scuba Diving is colorful, clear, enthusiastic, but shills for no one. Advertising is clearly marked. The destination guides are so good I tear them out and use them like Yellow Pages!

**R.C. Williams, Jr.
Marblehead, MA**

The answer is simple — you tell it like it is! Whether you are reporting on dive resorts, operators, equipment tests, etc. you don't pull any punches. And you speak from experience. You writers have been there, seen it, done it — and that means alot!

**John Maclary
Palmyra, PA**

The response to our Magazine Divers Trust Contest was overwhelming. We received hundreds and hundreds of letters explaining how we've earned your trust. These three won a special place in our hearts along with a great prize—a Dacor Extreme BC, Sherwood Encore computer, or a Scubapro MK10/G250 Regulator.

LIVE-ABOARD PROFILE

Peter Hughes' *Sea Dancer*

PASSPORT TO THE BEST DIVING IN THE TURKS AND CAICOS

Text by Rob Curran

On all Peter Hughes boats, the genius is in the dive itinerary. The Hughes philosophy is "a live-aboard is only as good as the diving it gets you to." The bottom line is superior diving. And *Sea Dancer* delivers.

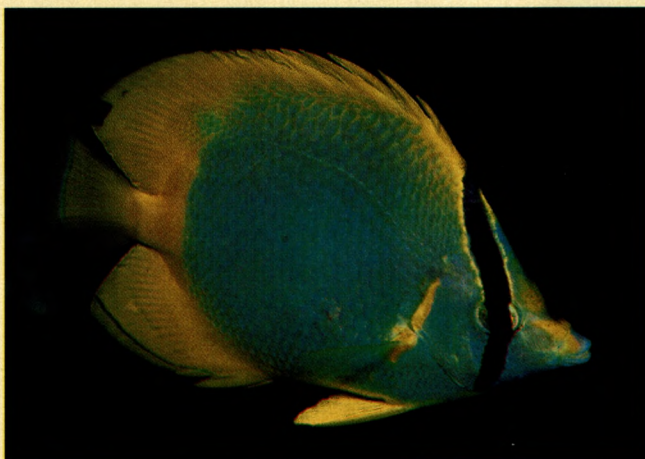
Most of the year, *Sea Dancer* operates out of Providenciales (Provo) in the Turks and Caicos. These islands serve up some of the best wall diving in the Caribbean. Visibility averages more than 100 feet. The drop-offs are spectacular; the reefs, pristine. Colorful sponges, corals and reef fish abound. It's common to spot cruising eagle rays, sharks and other large pelagics. Divers explore the lush reefs and walls around Provo and Grand Turk as well as areas beyond the reach of land-based operators like French Cay and West Caicos. During the summer, the *Sea Dancer* cruises the neighboring southern Bahamas. Bahamas itineraries include the more familiar—Eleuthera, the Exumas and San Salvador—and remote areas that rarely host divers: Little Inagua, Hogsty Reef, Castle Rock, Crooked and Conception Islands, and Mayaguana.

Sea Dancer is a model live-aboard dive vessel. The Peter Hughes touch is apparent, from the gleaming blue and white signature paint, to the attention to detail, comfort and amenities. On the huge sundeck, hammocks beckon passengers for serious après-dive relaxation. The entertainment center features a large-screen TV, tape deck and CD players for whiling away leisure hours.

TAKE THE PLUNGE

More than half of *Sea Dancer's* main deck is dedicated to diving. The dive deck features custom tank racks and benches with storage space underneath, large photo tables, drying racks for wetsuits, and battery charging stations.

On *Sea Dancer* the dive bell usually rings four or five times a day. Making a dive couldn't be easier: gear up at your station and walk down to the dive platform.



Aboard the *Sea Dancer*, you won't have to sacrifice comfort to explore hard-to-reach areas like French Cay in the Turks and Caicos and Little Inagua in the Bahamas.

The crew hands you your fins. Giant stride into the blue. After your dive, ascend to 15 feet, where the rigid decompression bar welcomes you for an easy safety stop. A crew member helps you aboard and slips off your tank and BC. It's that easy.

GET THAT SHOT!

Sea Dancer is an underwater photographer's dream. The boat features state-of-the-art photo and video equipment and daily E-6 processing. After a day's shooting, guests gather in the dining salon to enjoy the slides and video on high-resolution monitors, 8mm and VHS tape decks and equipment for dual-projector slide shows.

STATELY STATEROOMS

Aboard the *Sea Dancer*, roomy air-conditioned staterooms are a comfortable home-away-from-home. Each cabin has a sink, hanging rack, storage bin, mirror, basket of toiletries, private or semi-private bath, and luxurious royal-blue bathrobes, perfect for casual lounging or a quick warm-up after a dive.

CULINARY DELIGHTS

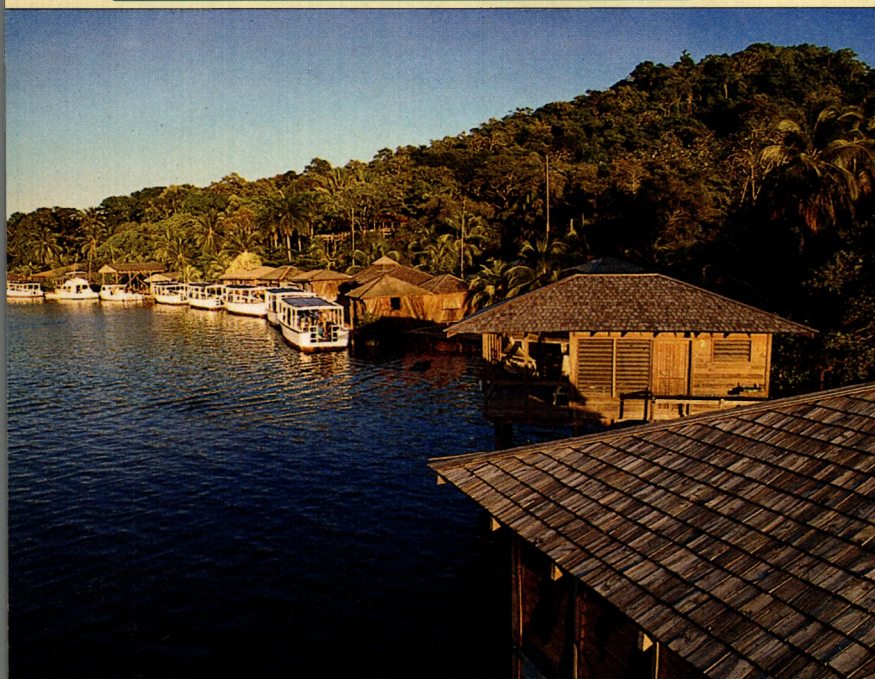
Sea Dancer's skilled chef serves a renowned menu of sumptuous American and island cuisines. Everything is delicious, from homemade soups to mouthwatering desserts. Hot breakfasts are prepared to order. Lunches are served buffet-style. Dinner includes a choice of two entrées served at your table by the steward.

BOOK IT ► For reservations and information, contact Peter Hughes Diving, your dive travel specialist or travel agent. Phone (800) 9-DANCER (932-6237) or (305) 669-9391.



The underwater photographer can capture photos like these and view them the same evening, thanks to daily E-6 processing aboard the *Sea Dancer*.

RESORT PROFILE



Anthony's Key Resort

LOSE YOURSELF ON ROATAN

Text and Photography by Greg Johnston

Before reading any further, please keep this in mind: Anthony's Key Resort is the kind of place you could lose your head over. In fact, after one visit you may be tempted to send for your belongings and never go home. Anthony's Key Resort on the island of Roatan in the Bay Islands of Honduras is just that special.

BACK TO BASICS

Anthony's Key Resort is the visionary concept of owner Julio Galindo, who has perhaps designed the quintessential dive resort. For more than 25 years, Anthony's Key has been a state of mind, where shoes are considered a nuisance, clocks and radios don't exist, and guests live in little wooden huts.

There are 56 natural wood bungalows built over a private island, some stilt-suspended at the sea's edge, others staggered up a jungle hillside. Each guest room is a single cottage with double or king-sized beds, a hot freshwater shower, ceiling fans, large louvered windows and a private balcony. A small dory shuttles guests back and forth from the islet to the main island all hours of the day and night.

The hilltop is where you'll find the main reception area as



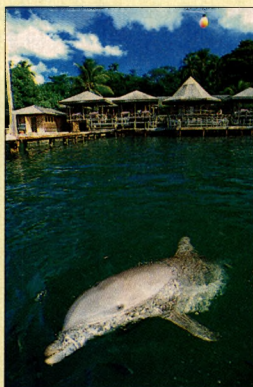
Clockwise from top left: Anthony's Key Resort's eight custom dive boats depart the idyllic resort for three scheduled boat dives every day. More than 40 established dive sites are accessible from Anthony's Key, many of which lie within the Bay Islands' first underwater reserve. Many of the resort's guest bungalows are on a tiny private island.

well as the open-air restaurant and bar. Local bands play regularly and sunsets are particularly spectacular from here.

When you're not 50 feet under water, there are plenty of other activities to keep you busy. Besides diving, there's windsurfing, fishing, beach picnics, sunbathing, kayaking and horseback riding. Guests can explore the local flora and fauna on a nature trail that leads up the mountainside. Special ecotours to the ancient Mayan ruins at Copan can also be arranged. But Anthony's Key's most prized gift to its visitors is one that no other resort in the world offers—the Institute for Marine Sciences.

THE INSTITUTE FOR MARINE SCIENCES

The Institute for Marine Sciences is a complex of classrooms, laboratories and lecture rooms that often host visiting university students from the United States and other countries to study marine biology. But for divers, the institute is best known for the two dolphin interaction programs available to guests of Anthony's Key Resort.



Guests of Anthony's Key have the opportunity to participate in the Institute for Marine Sciences' two dolphin interaction programs.



Some of the Bay Islands' best wall diving is a quick boat ride from Anthony's Key.

The Dolphin Snorkel Program provides snorkelers the opportunity to get into the water with dolphins in an enclosed area of the natural lagoon.

The Dolphin Dive Program is an opportunity for divers to observe and interact with dolphins freely in their natural environment. In 50 feet of water on a sand bottom, divers watch the dolphins come and go naturally, unprompted by trainers. The Dolphin Dive Program is one of only a few in the world today, and with its emphasis on natural behavior, it's one of the best.

THE DIVING

Anthony's Key Resort and the Institute for Marine Sciences lie within the Sandy Bay/West End Marine Park, the first underwater reserve in the Bay Islands. More than 40 established dive sites are accessible from the resort.

The eight 40-foot custom dive boats carry only 12 to 15 divers each, maximizing comfort. There are three scheduled boat dives every day and usually two night dives offered each week. Shore diving is available in the lagoon day and night. Because of the resort's location near the western tip of the island, the dive boats often visit sites on both sides of the island.

The Anthony's Key Resort dive facility is a full NAUI and PADI training center emphasizing specialty programs and scuba courses. The excellent support center includes a huge staging dock with guest equipment room, wet storage area, a gift and snack shop and decompression chamber. The dive facility also features sign-up boards, a large freshwater rinse, and Photo Roatan, a full-service photo/video lab with E-6 processing and camera and video rentals.

BOOK IT ► For a complete AKR/IMS package, contact Bahia Tours, 6840 S.W. 40th St. #208, Miami, FL 33155-3748. Call (800) 227-3483 or (305) 666-1997 and fax (305) 666-2292.

ADVERTISEMENT

RESORT PROFILE

Small Hope Bay Lodge

UNPARALLELED DIVING ON INTRIGUING ANDROS ISLAND

Text by Rob Curran

West of Nassau is the Bahamas' largest and most intriguing island: Andros—a vast, untouched playground for divers. Just offshore are shallow and deep reefs, breathtaking underwater walls undercut with caverns, exhilarating drop-offs and an impressive collection of blue holes.

In 1960, the Birch family opened Small Hope Bay Lodge as the first dedicated dive resort in the Bahamas. Twenty beachfront cottages offer island comfort, private baths and king-size beds. Resort amenities include dining room, cocktail bar, game room, boutique and hot tub. The atmosphere is simple: laid-back, down home and downright friendly.

The staff includes four instructors and three divemasters. Three boats are dedicated to diving. The two-tank morning boat leaves at 9:30; the one-tank boat at 2 p.m. In the summer, all-day trips include two tanks, snorkeling and lunch on a beautiful beach.

Guests while away leisure topside hours with sailboards, a sailboat, bicycle



Diving, guests come face to face with monster lobsters while fisherman cast for bonefish and bigger game.

tours and nature walks. Small Hope Bay Lodge offers a variety of world-class options for anglers: stalking bonefish in Andros' maze of flats, spincasting for grouper, and deep-sea fishing for the really big game.

BOOK IT ► Small Hope Bay Lodge is an all-inclusive dive resort. Dive packages include accommodations, meals, bar drinks and three dives a day. Winter rates range from \$840 for a four-night stay to \$1,470 for seven nights. Fly to Andros from Fort Lauderdale on the resort's Aero Commander for \$200 round-trip. Phone (800) 223-6961 or (809) 368-2013.

DIVE OPERATOR PROFILE

Hawaii 4 Divers

DIVE IN WITH

THESE ISLAND OPERATORS

Text by Greg Johnston

The Hawaiian Islands' topside tapestry is a nature that is palpable: green flashes, night rainbows, snow-tipped Mauna Kea, fiery volcanoes and delicate orchids. Under water, Hawaii is filled with intrigue and mystery: frolicking humpback whales, swim-through lava tubes, Molokini Crater, sunken shipwrecks and the green sea turtles.

THE BIG ISLAND OF HAWAII - SEA PARADISE

Located in the coastal city of Kona on the Big Island of Hawaii, Sea Paradise is a one-stop dive operation. "Our specialty is small diver charters," says owner Jonathan Conrey. "Our 31-foot custom dive boat is limited to 12 divers, giving our customers the personal attention they deserve on vacation."

You can rely on the experienced and knowledgeable dive guides of Sea Paradise, who know the waters around Kona intimately and can locate and identify the many critters you'll encounter. You'll dive hassle-free, as the staff sets up your equipment, changes tanks, and rinses and stores your equipment—giving you more time to enjoy the sights on Kona.

On the Sea Paradise itinerary are several exciting dives each week, including a thrilling, must-do dive with manta rays—rated one of the top three in the world by *Rodale's Scuba Diving*.

MAUI - HAWAIIAN REEF DIVERS

On the old whaling island of Maui, you'll find Hawaiian Reef Divers. It's a 15-year-old family business, perfect for handling small dive groups or larger groups with advance notice.

Hawaiian Reef Divers is a full-service PADI dive center located in the heart of historic Lahaina, specializing in introductory resort through full certification courses, including advanced open-water, rescue, divemaster and instructor training. "We have boat dives as well as some of the best beach diving in Hawaii," says operations manager Kahren Bellamy. "Our custom boats dive along Maui's west coast, the island of Lanai, Molokini Crater and often we go to Molokai."

Winter months always bring a visit from the humpback whales. Whale watching expeditions often afford the opportunity to hear their songs under water. The summer months are highlighted by sightings of dolphins and the occasional whale shark. Boat dives are scheduled daily; night diving is by request.

KAUAI - DIVE KAUAI

Farthest and most western of the Hawaiian Islands is Kauai. Separated by the deep Kauai Channel, it's an area where large ocean pelagics are often sighted. Dive Kauai Scuba Center is located here—your ticket to exciting dive adventures.

Dive Kauai is the first 5-star PADI Instructor Development Center and the



A sampling of the Hawaii 4 Diver's fleet: from top left, clockwise, the boats of Ocean Concepts, Sea Paradise, Hawaiian Reef Divers, and Dive Kauai.

only operation which teaches resort courses through open-water instructor programs and 13 different PADI specialties. Dive Kauai is also the only dive facility with a custom 28-foot Delta dive boat with easy swim-step ladders, freshwater shower and handicapped diver access. "By limiting the capacity to 12 divers," says president Michael Gough, "our instructors can show our guests some of the best of Hawaii."

The daily schedule includes two-tank morning and afternoon dives with shore diving available. Night dives are scheduled by request and computer diving is welcomed. At regularly visited sites such as Turtle Bluffs, Sheraton Caverns and Mona Crack you'll find green sea turtles, lobsters and lava tubes. Private tours of the offshore island of Niihau—only opened to outsiders in 1987—is a special treat as islanders maintain the traditions, culture and language of old Hawaii.

OAHU - OCEAN CONCEPTS

Conjure up images of Hawaii and, more often than not, they're located on Oahu: Pearl Harbor, Waikiki Beach, Honolulu and Sunset Beach. And the dive sites define Hawaii diving: wrecks, varied terrain and endemic marine life. "To sum up diving on Oahu," says Ocean Concepts chief operating officer Jim Byrem: "It's like no other place."

Ocean Concepts is a full-service PADI 5-star Instructor Development Center offering beginner through instructor courses and several specialties with 4 locations to serve you. Daily two-tank morning and afternoon dives are regularly scheduled, including night and snorkel dives. There is plenty of unlimited shore diving around Oahu and it's included in your dive package.

Several shipwrecks are a highlight of diving Oahu. Wrecks like the Mahi and the YO-257 are part of the daily schedule that includes dives along the western and southern shores. During the summer months, trips to the north shore—including Shark's Cove—are easily dived from Ocean Concepts comfortable, 36-foot, 24-passenger custom boat and the smaller, 23-foot, six-passenger dive boat.

BOOK IT ► Hawaii 4 Divers offers an exciting program both above and below the water of all six islands for you to experience Hawaii as it should be. For information call (800) GO-HAWAII or Ocean Concepts, (800) 808-DIVE, Hawaiian Reef Divers, (800) 551-6767, Sea Paradise, (800) 322-KONA, and Dive Kauai, (800) 828-DIVE.

DIVE OPERATOR PROFILE

Dive Dive Dive

FUN, FUN, FUN IN THE

HEART OF THE BAHAMAS

Text and Photography by Greg Johnston

Dive Dive Dive may sound like orders from a submarine commander, but at this resort on New Providence Island, it means fun, fun, fun! For more than a decade, divers have been coming to Dive Dive Dive for the friendly atmosphere and great diving at sites like the James Bond Wreck, Fishbowl, the Blue Hole and the magnificent 6,000-foot wall of the Tongue of the Ocean.

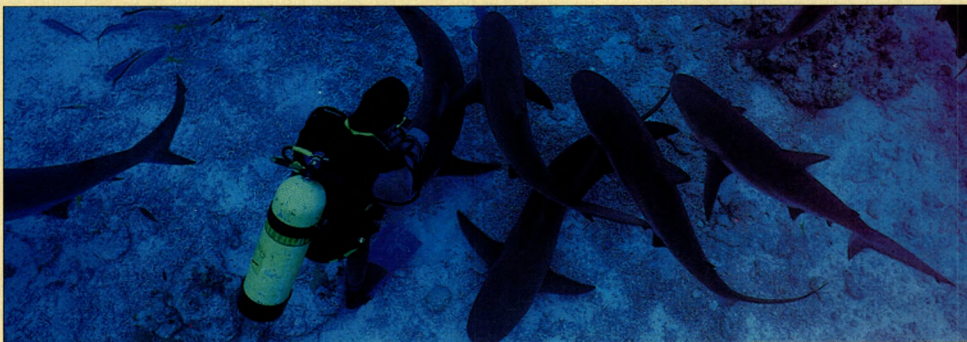
Dive Dive Dive is both intimate and convenient, combining out-island ambience with easy access to Nassau's famous restaurants and nightlife. Each of the furnished villas is air-conditioned and sleeps four people with private bedroom, dining and living areas. The villas are equipped with TV and VCR and a complete kitchen. You'll also enjoy your own private patio with bar-beque grill and outdoor dining area. Daily shuttle service into Nassau and Cable Beach is easily arranged for an afternoon or evening of shopping, sight-seeing and casinos.

SERVICE, SERVICE, SERVICE

Just roll out of bed in the morning and take a few steps to reach the dive center. Here you'll find a complimentary continental breakfast served on the large veranda. The dive center is open daily and offers top-of-the-line rental equipment, cold drinks and snacks and an assortment of T-shirts, books and other items. An equipment storage room and rinse tank are available for guest use.



Dive Dive Dive's furnished villas are equipped with TV and VCR and a complete kitchen (left). Twice-weekly dives with Caribbean reef and bull sharks are a specialty at Dive Dive Dive (below).



The full-service dive center at Dive Dive Dive is just steps from the resort's deluxe villas.

Dive Dive Dive is an ANDI, IANTD, NASDS, NAUI, PADI, SSI & TDI Facility. A full range of specialty courses and resort and full certifications are available to further your diving skills.

Daily dive trips consist of two-tank dives in the morning and afternoon with night dives by special request. Typically you'll make a deep dive on or near the wall and then a second dive often on a shallow reef or wreck.

Three custom dive boats, the *Sea Wind*, *Sea Dancer* and *Nitrox Diver*, transport divers to sites along the wall no more than 20 minutes away. Each boat is large and comfortable with easy-access entry and exit ladders and dry areas for cameras and personal items.

SHARKS AND NITROX

A highlight of any visit to Dive Dive Dive is an encounter with sharks. Shark dives take place Wednesday and Saturday mornings near Shark Wall, where the surrounding reef forms an amphitheater on the sandy seafloor. Caribbean reef and bull sharks swim within inches of your mask while experienced shark handlers feed them.

Another specialty is the nitrox certification course. Dive Dive Dive was the first Caribbean dive operation to offer nitrox and nitrox certification for open-water divers. As part of your dive package, you can try a nitrox introductory course consisting of classroom training and one nitrox dive.

You don't have to stay at the resort to enjoy all that is offered. Some diving guests stay on Cable Beach or Paradise Island, hopping on one of Dive Dive Dive's shuttle buses to get to and from the resort. Just call for arrangements and the bus will be waiting for you at your hotel.

BOOK IT ► For more information on diving the best of the Bahamas, contact Dive Dive Dive toll free at (800) 368-3483 or fax (305) 786-8941. In Nassau, call (809) 362-1143 or (809) 362-1401.

DESTINATION PROFILE

One Earth Tours

THE EAST AFRICA COLLECTION

The unmatched beauty found in the ever-changing horizons of Kenya and Tanzania are painted by a diverse landscape of valleys, lakes, rivers, plateaus, savannas, deserts, beaches, islands, ocean and coral reefs. One Earth Tours, along with Tropical Adventures Travel, offers the adventurous dive traveler a wide selection of the best



of Kenya and Tanzania, both above and below the water.

Every person on earth should experience a magnificent wildlife safari expedition—to places like the Masai Mara, Samburu, Ngorongoro Crater, Lake Manyara or the Serengeti Plains—followed by a

A real-life Lion King: Kenya's Masai Mara Game Reserve is famed for its lions and is on the itinerary offered by One Earth Tours and Tropical Adventures Travel.



Cruise the Indian Ocean waters off Kenya and Tanzania aboard the luxurious Poseidon Quest.

one-week diving expedition to the pristine waters of the Indian Ocean on the renowned 93-foot live-aboard *Poseidon Quest*, or from the superb Manta Reef Camp situated on remote Pemba Island, just north of Zanzibar. These trips rank among the world's greatest topside and underwater adventures. The astonishing memories are something you will cherish a lifetime.

A six-day trip on the *Poseidon Quest* costs \$1,495; a six-day stay at the Manta Reef Camp is only \$700 per person. Complete 17-day itineraries begin at \$4,200, including airfare from the U.S., wildlife safari, dive program, meals, transfers and taxes.

BOOK IT ► For detailed information and brochures, call (800) 247-3483, (206) 441-3483, fax (206) 441-5431. Tropical Adventures Travel, 111 Second North, Seattle, WA 98109.

RESORT/ LIVE-ABOARD PROFILE

Matagi Island

and Matagi Princess II

A TOUGH COMBINATION TO BEAT!

Asked to choose a dream destination, travelers often name the magical Fiji Islands. Divers can have their dreams fulfilled at Matagi Island Resort and on the superb live-aboard *Matagi Princess II*.

Far removed from commercialism, Matagi Resort is a lush, tropical 240-acre



A diver's dream: To be pampered aboard the spacious Matagi Princess II as it plies the sparkling waters of the Fiji Islands.



Matagi Island Resort offers guests seclusion and exquisite beauty on a privately owned island.

jewel. Private cottages house only 22 guests. Accommodations are spacious and will satisfy the most discriminating traveler. Discover luxurious beauty in Matagi's nature—the island's lagoons, beaches and jungles await exploration. The diving in this region has been written about in dive publications all over the world.

Combine all this with a live-aboard adventure aboard the 85-foot luxury vessel *Matagi Princess II* and you'll go home with memories not easily forgotten. Six beautiful cabins, all with full private baths, accommodate a maximum of 12 guests. Trips run from four to seven nights and focus upon the world-renowned Somosomo Straits and the seldom-visited Ringold Island group.

Only in the Fiji Islands can you experience such an unbelievable quality of comfort and service graciously provided by the world's most friendly, culturally interesting and warmhearted people.

BOOK IT ► For detailed information and brochures, call (800) 247-3483, (206) 441-3483, fax (206) 441-5431. Write to Tropical Adventures Travel at 111 Second North, Seattle, WA 98109.

DIVE OPERATOR PROFILE

Dive Provo

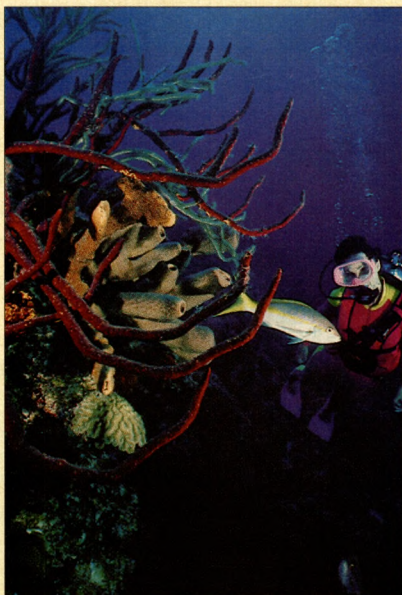
ENDLESS SUMMER IN THE TURKS AND CAICOS

Text by Rob Curran

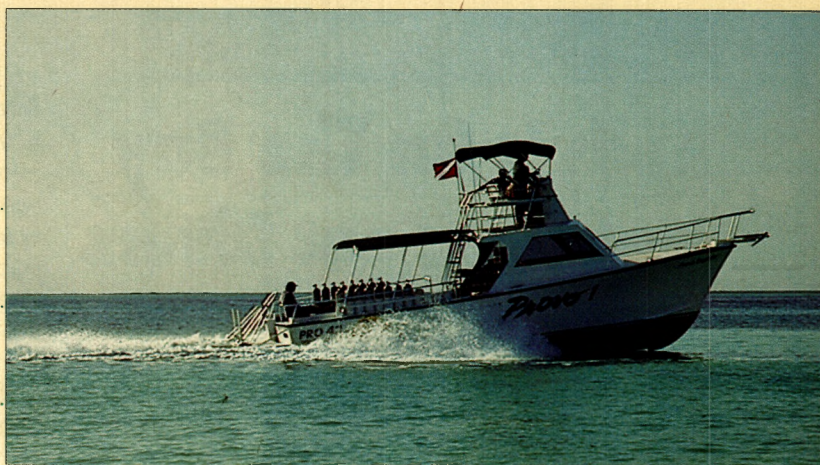
Are winter chills sending shivers down your spine? Why shake when you can bake—and dive—in the warm Turks and Caicos Islands? At Dive Provo, hot summer rates have been extended through Dec. 21.

Dive Provo is a PADI 5-Star facility located at the Turquoise Reef Resort and Casino in Providenciales. Each morning and afternoon—while some unfortunates are cursing biting winds, snow and sleet—fast boats from the Dive Provo fleet head right from the resort to the island's famed walls and reefs. A new 42-foot jet boat, the *Provo Explorer*, whisks divers to exciting sites that are out of range of less speedy craft.

After diving, return to the comfort, convenience and white-sand beach of Turquoise Reef Resort. You have poolside options: You can toast your dive buddy with a Rum Runner while you muse on how long it's going to take the folks back home to dig the car out of the snow. Or you can go through your REEF ID photo guide—check off the species of warm-water creatures that you've encountered so far on your dive vacation. Another reason to gloat: the REEF ID pack-



Red row pore and stove pipe sponge are Turks and Caicos' underwater trademarks (top). Everything divers could need or want is under one roof at the Turquoise Reef Resort.



The new 42-foot jet-powered Provo Explorer will whisk you to exciting sites that are out of reach of slower dive boats.

age—course, book, materials and membership in the Reef Environmental Educational Foundation—are included at no extra charge when you prebook a minimum stay of three nights.

Dive Provo is a modern, full-service scuba and watersports center with a friendly and professional staff. The menu of services includes two-tank morning trips, one-tank afternoon dives, three-tank Scuba Safaris, night dives and snorkeling excursions. The four fast boats boast lots of elbow room, spots for sun and shade, broad dive platforms and safety-stop bars equipped with air supplies. The dive center offers the complete range of PADI instruction, from Intro Scuba and open-water certification, to check-outs, advanced training and specialty courses, plus NAUI and SSI referrals. Camera enthusiasts appreciate the Underwater Photo and Video Center and E-6 film processing service.

At Turquoise Reef Resort, everything divers need is under one roof. The resort is home to Dive Provo, plus the only casino on the island, a lounge with nightly entertainment, a cafe for breakfast buffets and open-air dining, poolside snack bar, the Portofino Restaurant, lighted tennis courts and exercise room. The comfortable, modern rooms are air-conditioned; all feature balcony or patio, 24-channel cable TV, private bath and phone.

BOOK IT ▶ Don't just stand there shivering, book it! Through Dec. 21, packages start at \$339 per person, double occupancy for a four-day, three-night package. Included are two two-tank morning trips, one bonus afternoon or night dive, REEF course, hotel taxes, gratuities and transfers. Special rates are available for New York departures, which start at \$649 per person, double occupancy, and include round-trip airfare from JFK to Provo, four days, three nights accommodations, two days of two-tank diving, one bonus night or afternoon dive and transfers. Call the U.S. reservations office at (800) 234-7768 for other packages or more information.



RESORT PROFILE

Kelly's On The Bay and Aqua-nut Divers

THE BEST OF TOPSIDE

AND UNDERWATER KEY LARGO

Text by Rob Curran



If you're looking for an Island In The Sun, stop at mile marker 104 in the Florida Keys. Kelly's—a family-operated resort—is nestled among the palm trees on the banks of Florida Bay. Owner and family patriarch Richard Thaler confides, "We take stressed-out people and send 'em home with smiles."

Kelly's On The Bay is a spotless 26-room, all-inclusive dedicated dive resort. One size rarely fits all, so Kelly's offers a range of accommodations from rooms to efficiencies. All feature air-conditioning, TV with HBO and phone.

The Thaler family enjoys sharing "their" Florida Key. The attitude is "we-aim-to-please—just-ask," whether it's diving, recommending nearby restaurants, fishing, exploring the Everglades or poking around Florida from Miami to Key West. The approach works: the number of repeat guests is consistently growing.

Besides the welcome and atmosphere, it's the convenient, excellent diving that keeps people coming back. Kelly's is home to Aqua-nuts, a modern, full-service scuba operation. After a hearty breakfast beneath the thatched roof of the Tiki hut, step right onto one of the two roomy boats for a trip to Pennkamp Coral Reef State Park. The short trip to the reef will include a mini eco-tour through the Florida mangroves. The boat crews are happy to answer any and all questions about the area. Explore the famed wrecks *Bibb*, *Duane* and *Benwood*, and vibrant Molasses and French Reefs. Options include two-tank dives at 8:30 a.m. and 1 p.m. and night dives. Aqua-nuts training center offers a complete range of instruction: resort courses, certifications, referrals, specialties and Nitrox.

BOOK IT ▶ One popular package in the Fall, good through December 15th, is a two-night, two 2-tank dive special for only \$150 pp/dbl. Breakfast, tanks, and



Experience underwater and topside Key Largo hassle-free at Aqua-nuts and Kelly's On The Bay.

RESORT PROFILE

Bayman Bay Club

A TREASURE ON GUANAJA,

CROWN JEWEL OF THE BAY ISLANDS

Text by Rob Curran

Bayman Bay Club is located on Guanaja, tallest and second-largest in the Bay Islands chain of Honduras. This is island wilderness. Unmarred by cars or roads, the hilly island is as unspoiled as it is picturesque. Mountain peaks jut from the green jungle. Guanaja is surrounded by clear, warm Caribbean waters. Just offshore are mammoth corals, fringing reefs and impressive undersea walls—part of the second-longest barrier reef in the world.

Bayman Bay Club nestles in lush tropical surroundings above a small sandy bay. The three-level clubhouse is the resort's striking centerpiece. The main level features the dining room, bar and sunset veranda. Upstairs are the library, lounge and game room. One flight up is the observation deck with the best siesta hammock in the islands.

Meandering paths connect the clubhouse and 17 cottages that dot the hillside property. Each cottage has a spacious bedroom, private bath and porch with ocean view. Cooled by ceiling fans and shaded by tropical trees, the cottages are comfortable year-round.

Bayman Bay Club offers exceptional snorkeling, shore diving and more



Spectacular drop-offs and walls are only a short boat ride from Bayman Bay Club's dock.

than 30 dazzling sites only minutes away by boat. The thriving coral reefs are protected in the national underwater park. Options include walls, canyons, wrecks, grottoes, caverns and tunnels.

Time is one of Bayman Bay's most alluring qualities: time to dive, to explore mountain trails, and to sit and enjoy the setting sun. Well off-the-beaten tourist track, Bayman Bay Club is a small, friendly club for those interested in the ultimate getaway vacation.

BOOK IT ▶ Through 12/15/95, a seven-night package with accommodations, meals, two dives a day and more is \$725 pp/do. From 12/23/95 to 4/26/96 and U.S. holiday weeks throughout 1996, the package is \$899; 4/27/96 to 12/20/96, \$749. Phone Bayman Bay Club at (800) 524-1823 or (305) 572-1902.

CAREER SCHOOL PROFILE

NAUI Career Institute

PROFESSIONAL TRAINING

FOR PROFESSIONAL JOBS

Text by Rob Curran

Bob Brayman, executive director of the NAUI Career Institute, is emphatic: "There are important differences in professional training. We are a vocational institution. Everything you need for success is designed into our exclusive curriculums: diving experience, instruction and tests. We prepare you. When you graduate, we certify you—you are not a 'candidate' for an exam. The day you graduate is the day you are certified ready to work."

The NAUI Career Institute is located next to Faro Blanco Marine Resort in the Florida Keys town of Marathon. The facility houses classrooms, offices and Hall's Diving Center. Next door are an Olympic-size pool, 40-foot custom dive charter boat, two restaurants and student accommodations. The location affords easy access to warm, clear waters for training dives.

Graduates are certified as NAUI Gold Instructors. All courses feature apprenticeships, which, says Brayman, "means real work in actual resort conditions. You teach Halls' students how to dive. You are the divemaster on reef charters. You sell and counsel customers on equipment purchases, instruction and dive

travel. You fix customers' regulators. You have actual experience to put on your resumé."

Courses feature eight-hour days. Days off are scheduled to help students absorb, prepare and relax. Says Brayman, "We removed the impossible, unproductive stress found in hectic short courses that require 10- to 16-hour days."

From 1992 to 1994, the Institute scored 100 percent graduate placement in six of eight types of instructor courses and 97 percent placement in all Institute programs. Various tuition options are available, including 100 percent financing, veterans education benefits and government grants. For a detailed information kit, phone (800) 331-4255 or (305) 743-5929.



LIVE-ABOARD PROFILE

Out Island Voyages

M/V BALLYMENA:

BEYOND THE EVERYDAY

Text by Greg Johnston

What makes the *M/V Ballymena*, the newest live-aboard dive yacht, so unique? It's the five star luxury of the *Ballymena* and the diving destinations, pure and simple.

Nassau is just the beginning of a week-long adventure which includes the best of The Bahamas. Itineraries include remote areas of the Exumas, Andros or the untouched Southern Bahamas. On trips you will dive into mysterious blue holes, around vibrant coral pinnacles and down ocean drop-offs.

The *Ballymena* is the 124-foot flagship of Out Island Voyages. Nothing has been overlooked in this luxurious dive yacht. A no-compromise mix of creature comforts and delectable dining fare is the trademark of the *Ballymena*. You'll find 10 exquisitely appointed air-conditioned staterooms with en-suite bath, an elegant main salon providing plenty of space with areas of relaxation and an extensive print, music and video library, wet bar, large-screen color TV and VCR. The salon also doubles as an audiovisual center with slide projector and screen for viewing, perfect for meetings, lectures and training sessions.



See the best of the Bahamas and enjoy the best of live-aboard luxury aboard the *Ballymena*.

The *Ballymena* is outfitted with state-of-the-art dive equipment, including a fast-fill air compressor, easy-exit dive platforms and two excursion boats. Underwater photographers will love the on-board E-6 film processing facility and videographers can view and edit tapes in the audiovisual center.

For nondivers, the *Ballymena* offers a host of topside activities, including game fishing, snorkeling, sailing, ocean kayaking and shore excursions.

For more information, contact Out Island Voyages at (800) 241-4591 or in Nassau, call (809) 394-0951; fax (809) 394-0948.

RESORT PROFILE

Mt. Pleasant Guest House and Porpoise Divers

OFF-THE-BEATEN TRACK IN THE TURKS & CAICOS

Text by Susanne Cummings

The tiny island of Salt Cay is one of the Turks and Caicos' most unusual treasures. The population barely tops 150. Only a handful of pickup trucks crowd the one-lane dirt roads. Freshly whitewashed old stone houses are brightened by vibrantly colored fences, shutters and bougainvillea in full bloom. The local friendliness is genuine.

For visitors and photographers seeking a haven off-the-beaten track, virgin diving and the absence of boutiques and night clubs, Salt Cay's unpretentious, quiet, unspoiled atmosphere may just fit the bill. And with its warm, inviting atmosphere, Mt. Pleasant Guest House and Porpoise Divers capture the ambience of this sleepy little island perfectly.

Reminiscent of a Bermudan-style English country cottage with a bed and breakfast atmosphere, this charming 150-year old resort offers guests an intimate experience enhanced by the personal touch of owner Bryan Sheedy.

Newly refurbished, Mt. Pleasant Guest House hosts its guests in four bedrooms in the main house with additional guests and groups comfortably housed in the annex about 100 yards away. Accommodations are simply furnished with antiques and wicker. Ceiling fans circulate the refreshing ocean breezes. Antiques, western and cowboy memorabilia and first-edition publications decorate the house, reflecting Bryan's personal passions. A spacious open-air patio and gazebo bar located behind the main house provide an ideal locale for kicking back with your dive buddies, enjoying an exotic cocktail after diving or reading a book from Bryan's library.

At mealtime, the patio is transformed



Divers come to Salt Cay for healthy reefs and superb walls.

into an alfresco restaurant featuring some of the best gourmet cuisine in the islands. Fresh seafood, conch, native specialties, lobster and N.Y. strip steak top the bill of fare and Bryan maintains a fully stocked wine cellar.

Local diving in Salt Cay is the real reason most guests make a pilgrimage here. Winter and early spring months mark whale-watching season and daily sighting of migrating humpbacks is common. Summer months bring mantas into the shallows. Visibility is almost always good and frequently superb, and the reefs and walls are remarkably healthy and clean. A variety of excellent sites including Salt Cay's newest dive site, Wandlust, begin at 30 to 50 feet at the top of the wall and lie very close to shore. Their pristine condition is due in part to the limited number of divers that explore them. Point Pleasant provides divers and snorkelers alike with one of the best shallow sites in the Caribbean.

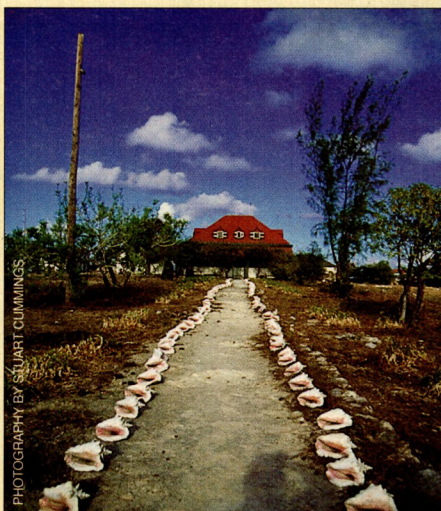
Among the highlights of Porpoise Divers' weekly itinerary is a trip to the *H.M.S. Endymion*, an 18th-century British warship which sank in 1790 and whose huge, cannons and anchors remain intact in only 25 feet of water. Another is the weekly trip to Grand Turk where great diving is followed by lunch and a visit to the Museum.

Although Mt. Pleasant accommodates up to 20 guests, Porpoise Divers limits dive trips to a maximum of 12. The fleet includes *Porpoise II*, a fast 30-foot custom dive boat and *Porpoise I*, a roomy 38-foot "swim-abaord" styled after a World War II Navy landing craft. Porpoise Divers is a full-service dive operation. Scuba instruction, E-6 processing and a complete stock of rental equipment is available. A retail store

offers everything from tan-thru bikinis to books and postcards.

Dive packages at Mt. Pleasant Guest House and Porpoise Divers range from \$695 to \$895 per person, double occupancy for five to nine nights and include accommodations, meals, diving, tanks and weights.

BOOK IT ► For information and reservations, contact Mt. Pleasant Guest House toll-free at (800) 531-7996 or direct at (809) 946-6927.



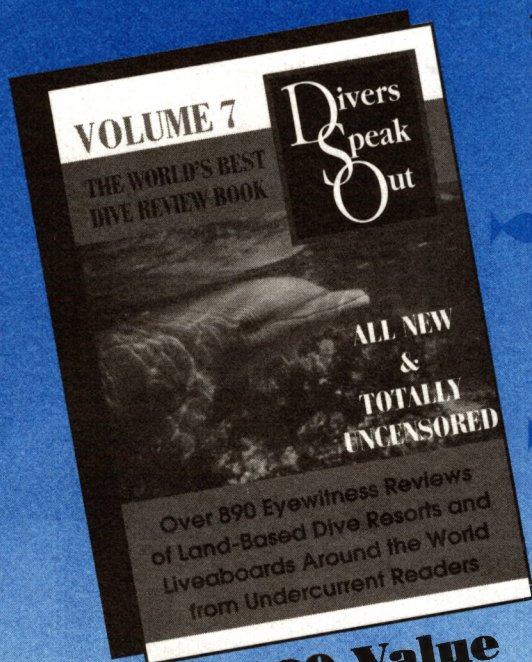
PHOTOGRAPHY BY SUSANNE CUMMINGS



The recently refurbished Mt. Pleasant Guest House offers a resort experience with a personal touch (left). Porpoise Divers limits groups on its two roomy dive boats to a maximum of 12 divers (above).

DIVERS BEWARE!

Know the Truth — Before You Go



A \$29 Value

Undercurrent's all-new, 246-page

DIVERS SPEAK OUT!

895 Objective Reviews Of
Resorts and Liveaboards
in 92 Destinations

Brutally Honest!

246 Fact-Filled Pages —
Absolutely No Advertising!

Totally Uncensored!

**YOURS
FREE!**

Palau "This place is next to a (real) dump!...No oxygen, no radio, no first-aid kit, and no head on the boat!" **Page 179**

Australia "This liveaboard takes you to new and undived sites almost every day — to be the first human to look at the reef was quite an awesome feeling!" **Page 5**

Bonaire The truth about this dive operator in Bonaire — not what they say — "The boats were not equipped with oxygen and did not provide safety stop hangoffs, nor was there a surface downcurrent line deployed...No dive tables on the boat, no rinse tanks for cameras...is falsely advertised as newly refurbished!" **Page 49**

Dear Fellow Diver:

When it comes to dive travel, there's way too much hype and not enough hard facts.

Well, now you can find out for sure what's fact and what's fiction — it's all in the new totally uncensored, 7th edition of *Divers Speak Out!* — **YOURS FREE** with this special offer from **Undercurrent**, America's #1 scuba diving newsletter.

You won't get a collection of press releases or rave reviews. Instead, you'll get a fascinating look at the world of dive travel — 895 uncensored, eyewitness reports by divers who take their diving very, very seriously.

These hard-hitting reports reveal the intimate details of their own recent trips to dive destinations around the world. These divers have, of course, paid their own way, just as you do. So they have no reasons to pull any punches. They tell it like it is.

At last, you can get the hard dive travel information you need — before you spend your good money for a dive trip. And...

If you're looking for sharks — lots of them — and do not want to travel halfway around the world — check out this place... "Walker's Cay is shark rodeo...If you like sharks, this is the place!...Four or five kinds and over 100 in one place!" **Page 11**

Looking for a cheap liveaboard...shark diving, snorkeling with whale sharks, and unspoiled dive sites? Check out this one: "We had close-up whale shark encounters on 3 or 4 days of diving!...white tips, nurses, silver tips in abundance...wonderfully delicious food." **Page 211**

Not just diving — but also travel tips you need to know before you go. For instance, if you're headed to the British Virgin Islands, read this: "Avoid this Airline! They are undependable and discourteous. Take another airline, take the ferry from St. Thomas, or swim!" **Page 222**

over, please...




Little-known places and exceptional diving experiences at very low prices

Only *Divers Speak Out* tells you where to see "South Pacific-quality pelagics and fish...close to home. We saw a school of 500 to 600 mobulas (like stingrays)! Next dive, we saw a huge jewfish that let us lay on the sand next to him! Huge schools of fish — two or three thousands! Even saw white-tipped sharks on most dives!" See for yourself on page 88 of *Undercurrent*'s new book *Divers Speak Out* — **YOURS FREE** when you try a subscription to *Undercurrent*, America's leading dive travel letter.

For 17 years, *Undercurrent* has given thousands of serious divers uncensored reviews...totally and brutally honest reports...of dive travel the world over in our monthly letter. Our circle of divers helps you check out dive resorts, hotels, and liveaboards so you know what to expect and how much it will cost before you go.

Imagine snorkeling with whale sharks in 15 feet of water...

See the very first page of your FREE copy of *Divers Speak Out* to discover this ideal dive travel destination. Plus:

-  In the Caribbean — "Hike through rain forests to waterfalls...where the diving is done in hot, bubbling springs and underwater volcanic craters!" Hint — the diving's as good as Bonaire. **Page 92**
-  The best liveboard for your money in Australia. Described as a "floating hotel with a 4-star restaurant on board" this liveboard has "every diver creature comfort built in." **Page 7**
-  If you're an underwater photographer, you'll love this destination: "This wonderful destination promises consistently reliable water conditions, colorful reef scenes, clear water and sunshine every day. All this on a super-luxurious dive liveboard with a top-notch crew and gourmet chef." **Page 201**

Cut through the hype about dive spots from the Caribbean to the Andaman Islands

Be warned of this La Paz operator: "Our group of 5 divers was placed on an aging diesel diving/fishing boat with an extended family of 10 including several small, unruly children were going snorkeling...We would not be able to dive with the sea lions...but only where the children could safely snorkel...The rest of the day was spend indulging the children in trip to two beaches, a total waste of time for divers." **Page 159**

"No action...no big fish, turtles, sharks, or mantas." Although this place was described as offering hammerheads, "This place was pure hype" said one reader. **Page 67**

"Too many cruise ships...Extensive reef damage and poor visibility. Boats were very slow — one did not even have tank racks! Divemasters were inexperienced and sucked up all their air 40 minutes into a 60' dive....Save your money and go some place decent!" **Page 169**

Undercurrent's *Divers Speak Out!* is packed with timely, firsthand accounts of dive travel opportunities the world over. Plus, in your monthly issues of *Undercurrent*, you'll also get articles on underwater photography, dive travel, all you need to know about dive computers, life-saving dive tips, techniques for doubling your bottom time, reviews of new dive products and services, equipment evaluations, safety procedures, and much, much more. The one thing you won't find in the pages of *Undercurrent* is advertising — none at all!

Don't take another dive without first reading *Divers Speak Out!*

MONEY BACK GUARANTEE

If you're not totally delighted with the wealth of objective diving information you receive, let us know. You'll get a full refund at any time. Plus, you get to keep *Undercurrent* — 246 pages of hard-hitting facts about dive travel — **ABSOLUTELY FREE!**

Safe and happy diving,



John Daniel, Publisher
Undercurrent

P.S. Two Extra Bonuses with a two-year subscription: In *10 Classic Dive Destinations* you'll find fantastic diving, great visibility, a wondrous variety of fish, and classic photo opportunities around the world. In *6 Fabulous Liveaboards*, we reveal 6 superb dive boats with helpful crews and great food and accommodations — several are more than reasonably priced, they're downright cheap!

YOURS FREE — DIVERS SPEAK OUT!

Special One-time Offer

☐ **Yes!** I want a **FREE** copy of *Divers Speak Out!* Send me *Undercurrent* and send me my **FREE** book right away! I understand I can get a full refund at any time.

☐ **One Year** — Only \$29. I'll receive 1 year of *Undercurrent* and my free copy of *Divers Speak Out*.

☐ **BETTER OFFER: Two Year** — Only \$56! I'll receive 2 years of *Undercurrent* and *Divers Speak Out*. In addition, I'll also receive *Undercurrent*'s Special reports, *10 Classic Dive Destinations* and *6 Fabulous Liveaboards*

Name

Address

City State Zip

☐ My check is enclosed. (Please make payable to *Undercurrent*.)
(Maryland residents please add 5% sales tax.)

☐ Please charge my: ☐ VISA ☐ MasterCard ☐ American Express

Card number

--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--

Signature Expiration date
(for credit card orders)

Credit card orders call: 1-800-851-7100 or 410-223-2611
(9-5 Eastern time) Or fax your order to: 410-223-2619

Please send to: *Undercurrent* • 105 W. Monument St. • P.O. Box 17514 • Baltimore, Md. 21298

ECO-QUIZ ANSWERS

(From page 87)

1 ▶ C. A recent study showed that, on average, a diver touches the reef seven times in a half-hour.

2 ▶ B. Yeah, that's an easy one. But why do we still see so many dangling consoles?

3 ▶ B. Humming into your regulator will reduce your strangeness and take advantage of the shark's natural curiosity.

4 ▶ C. Even if you're perfectly neutral, you'll rise with each inhalation and descend slightly with each exhalation. Also, when swimming you need less air in your BC than when hovering. Eco-divers anticipate the transition.

5 ▶ D. The timing of biological events—particularly those pertaining to mating and reproduction—are too important to be dictated by any single cue. As a result, vertebrate animals have built-in safeguards to prevent mistakes due to anomalous short-term environmental cues. It would take several weeks of continuous light-shining to really screw up a fish's endogenous rhythms.

6 ▶ C. Always know where the reef is and where your fins are in relation to it. Even experienced divers tend to forget the added length on each foot and the damage it can do.

7 ▶ D.

8 ▶ A. You'll find more photogenic seahorses on other dives.

9 ▶ D.

10 ▶ D. Take only photos—unless someone else left more than bubbles.

11 ▶ D.

12 ▶ A or B. Keep your hands off the reef.

13 ▶ A. This way you'll stay in the turtle's blind spot, a cone-shaped area that extends rearward from the beak.

14 ▶ D. A well-informed diver can make a difference. If you know the issues, you can voice your opinions, and, even more importantly, spend your money with operators and resorts that support environmentally sound solutions.

15 ▶ C. A disapproving look may stop the behavior temporarily, but a little education after the fact will make a diver think twice before doing it again.

16 ▶ B. Depending on the length of your fins and style of your kick, you may have to remain as much as 10 feet above the bottom to avoid stirring it up. Although a sandy plain may seem a lifeless desert, it is home to an array of burrowing and camouflaged creatures—and coral-choking sediments.

BEST MARINE PARKS

(Continued from page 43)

remain major threats to the sanctuary's environmental health.

MALINDI

Marine National Park

Kenya

Malindi Marine National Park, estab

lished in 1968, is Kenya's environmental centerpiece on an Indian Ocean reef system that stretches 200 miles. More than 50 species of coral are found here, as are about 500 species of reef fish, including the Koran angelfish, named for the script-like markings on its tail. Drift diving on offshore reefs offers a chance to encounter loggerhead turtles, whale sharks and manta rays.

Mooring buoys have been installed and steps are being taken to monitor the

AKONA
ADVENTURE GEAR

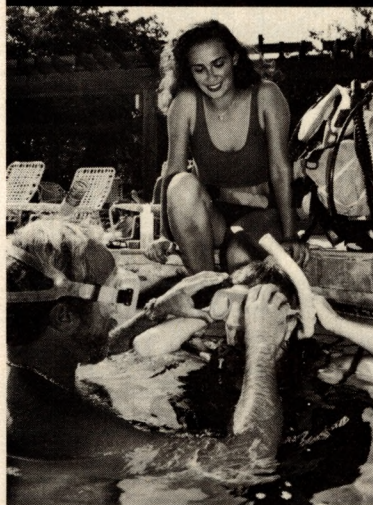
Experience
the evolution
of a new species.

KNIVES
MASKS
SNORKELS
FINS
BOOTS
GLOVES
DEATH BAGS
ACCESSORIES

AKONA Adventure Gear, Inc. Copyright 1995 All Rights Reserved. P.O. Box 14805, North Palm Beach, Florida 33408

CIRCLE NO. 78 ON READER SERVICE CARD

INSTRUCTOR TRAINING THAT WILL MAKE YOU... NOT BREAK YOU



Join the team of quality dive instructors today and experience the difference of flexible and affordable training with on-going support.

You will take great pride in helping your students become well-trained, confident, enthusiastic divers.

Join the elite group of professionals known throughout the world as "The Quality Training Agency."



The Professional Diving Instructors Corporation P.O.
Box 3633 Scranton, PA 18505

CALL TODAY! (717) 342-9434 or FAX (717) 342-1276

CIRCLE NO. 76 ON READER SERVICE CARD

effects of erosion and silt washed onto the reefs from the nearby Sabaki River—one of the park's biggest threats. Field staff are being trained by dive experts from the Netherlands. Spearfishing, sportfishing and coral and shell collecting are prohibited. Marine park entry fee is US\$7.15.

Environmental Alert: Despite conservation efforts, Sabaki River siltation, rapid development, water pollution and shell collectors are taking their toll on reef populations.

RAS MOHAMMED

Marine Park

Egypt

Ras Mohammed is the northernmost reef system in the Eastern Hemisphere. "Mohammed's Head" is located at the southern tip of the Sinai Peninsula, at the confluence of the Red Sea and the Gulfs of Suez and Aqaba. The 100-mile stretch of coastline was designated a marine park in

1985. More than 1,000 species of fish can be found in the Red Sea, 30 percent of which are endemic. Marine life includes scalloped hammerhead sharks, blue-spotted stingrays and the Red Sea clownfish. Walls covered with soft corals bring creatures that thrive on light close to shore.

Tour companies work with the government to monitor diving activities and moorings. Divers must pay a \$10 per person, per day park fee. Fishing or spearfishing, removing or damaging anything alive or dead, anchoring and walking on the reef are prohibited.

Environmental Alert: Oil pollution from tanker traffic through the Suez Canal poses a serious threat to Red Sea reefs, fish and birds.

SIMILAN ISLANDS

National Park

Thailand

The Similan Islands (Malay for "nine" islands) were first protected as a marine park in September 1982. The eastern shores of the nine uninhabited islands in the Andaman Sea consist of calm, gently sloping shallow reefs, while the western shores are wild and woolly, punctuated by caverns, walls and tunnels washed by swift currents and nutrient-rich upwellings from the depths of the Andaman Basin. Jacks and mackerel are common sights in the 49-square-mile park, and divers have the opportunity to see turtles, stingrays, eagle and manta rays, the occasional whale shark and the rare bowmouth guitarfish.

National park lands, established in 1961, cover 11 percent of the nation—one of the highest ratios of protected land in the world.

No dive resorts here—just bungalows and camping. Diving is conducted from live-aboards and day boats, based 50 miles to the southeast in Phuket. Park admission is 5 baht.

Environmental Alert: A population and development explosion, as well as pollution, overfishing and dynamite fishing, pose a serious threat to the marine environment. Enforcement is no easy job—more than 40 park rangers have lost their lives in the line of duty over the last 20 years.

Nick Lucey is an RSD associate editor.

Fiesta Americana

DIVE HOUSE & COZUMEL REEF HOTEL





COZUMEL's newest luxurious beach front divers hotel. 5-Star accommodations in all Ocean view rooms with private terrace. 3 Restaurants, private beach and pier, swimming pools and two lighted tennis courts. Located only minutes away from Palancar Reefs.

From
\$199/per
3 nights, 2 days diving

DIVE HOUSE: On-site dive shop at pier featuring 4 fully equipped dive vessels. Complete line of rental equipment available. Gear Storage lockers, fresh water showers and gear washing facilities at Pier. Beach Diving Available.

CIRCLE NO. 36 ON READER SERVICE CARD

Island Dreams
TOURS & TRAVEL

800-346-6116
Fax 713-973-8585

CIRCLE NO. 36 ON READER SERVICE CARD

CIRCLE NO. 38 ON READER SERVICE CARD

ALL-INCLUSIVE COZUMEL

accommodations • meals • drinks • tax • tips • diving



- daily 2-tank boat dives
- gear lockers
- on-site pier pick-up

FANTASIA DIVERS

1-800-336-3483

Rates/Person dbl. Ask about Dec. & Jan. specials



Winter Rates

7N - \$957

5N - \$705

4N - \$554

3N - \$403

DAN

DIVERS ALERT NETWORK

BREATHING WATER

How To Handle Drowning and Near-Drowning Divers

By Renée Duncan Westerfield, DAN Communications Coordinator

Although drowning is a relatively common cause of accidental death in the general population, it is, fortunately, rare among scuba divers. But it can happen. And if it does, we as divers should be prepared to do as much as we can to help a victim survive by knowing the techniques of rescue and resuscitation.

It's a well-documented fact that immediate and effective cardiopulmonary resuscitation (CPR) is key to complete recovery. Water rescue, however, requires study and practice in order to gain the knowledge and skills necessary to help an injured diver or nearby swimmer. But if drowning is

so infrequent for scuba divers, then chances are you'll never need to learn that skill—right?

Tell that to the countless people who have made full recoveries thanks to an alert diver, lifeguard or fellow swimmer.

Immediate and effective CPR is the key to complete recovery for drowning victims.

"Having that skill is just another added safety measure you can take when you go diving," says Bill Clendenen, DAN's training coordinator. "If you never have to use it, count yourself as fortunate, but consider the value of this skill if you can help make a difference for someone."

Knowledge Is Power

The first step in the process of learning the necessary lifesaving skills is getting correct information. What is drowning? How does it differ from near-drowning?

Dr. G. Yancy Mebane, editor of DAN's *Dive and Travel Medical Guide* (formerly known as the *DAN Underwater Diving Accident Manual*) and a specialist in this topic, puts it succinctly: "A drowning victim experiences cardiac arrest while submerged; a near-drowning victim experiences a lack of oxygen, without cardiac arrest."

The circumstances surrounding a victim's submergence and the amount of time spent under water determine the outcome. The victim of

WITH PROPER TRAINING, YOU CAN HELP SAVE THE LIFE OF A DROWNING OR NEAR-DROWNING VICTIM.

STEVE BARNETT

FREE DIVE INFO

Simply tear out the reply card, circle the numbers preceding the names of the companies which interest you, fill out your name and address, affix postage, and drop it in the mailbox. You'll soon be receiving information which will help make your diving more enjoyable!

DIVE DESTINATIONS

BAHAMAS

1. BAHAMAS MINISTRY OF TOURISM
1-800-866-DIVE See ad pg. 05
2. DIVE ABACO 1-800-247-5338 See ad pg. 88
3. DIVE DIYE DIVE 1-800-368-3483 See ad pg. 119
4. EXUMA FANTASEA 1-809-336-3483 See ad pg. 122
5. GRAND BAHAMA WATERSPORTS
1-809-373-6775 See ad pg. 122
6. SMALL HOPE BAY LODGE 1-800-223-6961 See ad pg. 24
7. STELLA MARIS 1-800-426-0466 See ad pg. 22
8. UNEXSO 1-800-992-DIVE (3483) See ad pg. 23
9. VALENTINE'S 1-800-383-6480 See ad pg. 121

BARBADOS

10. EXPLORESUBS BARBADOS 1-809-435-6542 See ad pg. 88
11. HIGHTIDES WATERSPORTS 1-809-432-1311 See ad pg. 88
12. THE DIVE SHOP 1-809-426-9947 See ad pg. 88

BAY ISLANDS/HONDURAS

13. ANTHONY'S KEY RESORT 1-800-227-3483 See ad pg. 08
14. FANTASY ISLAND BEACH RESORT
1-800-676-2826 See ad pg. 26
15. HONDURAS INSTITUTE OF TOURISM
011-504-38-3974 See ad pg. 19
16. PLANTATION BEACH RESORT
1-800-628-3723 See ad pg. 20
17. POSADA DEL SOL/INN OF THE SUN
1-800-642-3483 See ad pg. 74
18. ROATAN CHARTER, INC. 1-800-282-8932 See ad pg. 91
19. SCUBA TRAVEL VENTURES/SEAGRAPE DIVERS
1-619-258-7096 See ad pg. 123
20. UTILA REEF RESORT 1-800-263-9876 See ad pg. 122
21. WORLD DIVE ADVENTURES
1-800-433-DIVE See ad pg. 121

BELIZE

22. BELIZE TOURIST BOARD 1-800-624-0686 See ad pg. 60
23. BOTTOM TIME DIVE SHOP/BZ TRAVEL SERVICES
1-800-382-7776 See ad pg. 20
24. SOULSHINE RESORT 1-800-301-1418 See ad pg. 122
25. M/V HOT DIVE 1-800-HOT DIVE See ad pg. 122

BONAIRE

26. PORT BONAIRE 1-800-223-9815 See ad pg. 74
27. SAND DOLLAR CONDOMINIUM & BEACH RESORT
1-800-288-4773 See ad pg. 98
28. TOURISM CORP. OF BONAIRE
1-800-U-BONAIRE See ad pg. 95

BRITISH COLUMBIA/CANADA

29. B.C. DIVE TOURISM 1-800-665-6000 See ad pg. 22

CAYMAN ISLANDS

30. L & M PROPERTIES CO. 1-216-524-1000 See ad pg. 122

COSTA RICA

31. EL OCOTAL 1-800-247-3483 See ad pg. 122

COZUMEL/MEXICO

32. BLUE BUBBLE DIVERS 1-405-275-5222 See ad pg. 123
33. CARIBBEAN DIVERS 1-800-874-7312 See ad pg. 101
34. CASA DEL MAR/TROPICAL CONCEPTS
1-800-749-3483 See ad pg. 74
35. CHINCHORRO REEF RESORTS
1-404-843-9840 See ad pg. 123
36. DIVE HOUSE/FIESTA AMERICANA
1-800-346-6116 See ad pg. 116
37. DIVE PARADISE/FIESTA INN
1-800-247-3483 See ad pg. 121
38. ISLAND DREAMS TRAVEL
1-800-346-6116 See ad pg. 116
39. MELIA MAYAN PARADISUS
1-800-336-3542 See ad pg. 101
40. PLAZA LAS GLORIAS/AQUA SAFARI
1-800-433-0885 See ad pg. 10

FLORIDA

41. CITRUS COUNTY TOURISM
1-904-746-4223 See ad pg. 120
42. GIANT STRIDE CHARTERS
1-800-WPB-DIVE See ad pg. 123

FLORIDA KEYS

43. AQUA NUTS/KELLY'S ON THE BAY
1-800-226-0415 See ad pg. 93
44. CONCH REPUBLIC DIVERS
1-800-274-DIVE See ad pg. 93
45. LOOE KEY REEF RESORT
1-800-942-5397 See ad pg. 93
46. LOOKOUT LODGE RESORT
1-305-852-9915 See ad pg. 93
47. OCEAN DIVERS 1-800-451-1113 See ad pg. 94

HAWAII

49. HAWAIIAN DIVERS 1-800-525-PADI See ad pg. 121
50. MANTA RAY DIVES 1-800-98-MANTA See ad pg. 24
51. PLANET OCEAN 1-808-328-9836 See ad pg. 124

MIDWEST

52. WEST END DIVING 1-314-731-5003 See ad pg. 122

PACIFIC

53. FANTASEA DIVERS/TROPICAL ADVENTURES TRAVEL
1-800-247-3483 See ad pg. 122
54. MATAGI ISLAND RESORT (WEST ONLY)**
1-800-3-MATAGI See ad pg. 114 A-B
55. SAM'S DIVE TOURS 1-800-886-7321 See ad pg. 121

PUERTO RICO

56. PUERTO RICO TOURISM 1-800-866-7827 See ad pg. 07

SOLOMON ISLANDS

57. BILIKIKI CRUISES LTD 1-800-886-7321 See ad pg. 122
58. DIVE GIZO ADVENTURE SPORTS
1-800-886-7321 See ad pg. 122
59. DIVE SOLOMONS 1-800-886-7321 See ad pg. 122
60. UEPI ISLAND RESORT
1-800-886-7321 See ad pg. 122

TURKS & CAICOS

61. DIVE PROVO 1-800-234-7768 See ad pg. 90
62. FLAMINGO DIVERS 1-800-204-9282 See ad pg. 121
63. KITTINA HOTEL 1-809-946-2232 See ad pg. 97
64. GUANAHANI HOTEL 1-809-571-0732 See ad pg. 97
65. OCEAN CLUB 1-800-457-8787 See ad pg. 103
66. PORPOISE DIVERS 1-809-946-6927 See ad pg. 97
67. PROVO TURTLE DIVERS 1-809-946-4232 See ad pg. 103
68. SEA EYE DIVING 1-809-946-1407 See ad pg. 97
69. TURKS HEAD INN 1-809-946-2466 See ad pg. 97

UNITED STATES VIRGIN ISLANDS

70. GEMINI II 1-800-632-SAIL See ad pg. 88
71. LOW KEY WATERSPORTS 1-800-835-7718 See ad pg. 74
72. VI DIVERS 1-809-773-6045 See ad pg. 88

DIVE EDUCATION & INSTRUCTION

73. CORAL CAY CONSERVATION
1-305-945-6789 See ad pg. 121
74. DIVERS ACADEMY 1-609-966-1871 See ad pg. 24
75. OCEAN CORPORATION 1-800-321-0298 See ad pg. 20
76. PDIC INTERNATIONAL 1-717-342-1276 See ad pg. 115
77. PRO DIVE 1-809-772-DIVE See ad pg. 62

DIVE EQUIPMENT

78. AKONA 1-407-845-5530 See ad pg. 115
79. DIVING UNLIMITED INTERNATIONAL, INC.
1-800-325-8439 See ad pg. 10
80. IDEATIONS DESIGN, INC.
1-800-275-4332 See ad pg. 124
81. PRINCETON TEC 1-609-298-9331 See ad pg. 73
82. SHERWOOD SCUBA See ad pg. C4

83. THE FREE STYLE GROUP

- 1-800-776-6449 EXT. 118 See ad pg. 99
84. VANMAR PRODUCTS 1-800-291-4376 See ad pg. 20
85. ZEAGLE SYSTEMS, INC. 1-813-782-5568 See ad pg. 92

DIVE TRAVEL SPECIALIST

86. CARIBBEAN ADVENTURES
1-800-934-DIVE See ad pg. 121
87. DIVE TOURS/APPLE VACATIONS
1-800-433-0885 See ad pg. 24
88. REEF & RAINFOREST WORLDWIDE ADVENTURE
TRAVEL 1-800-794-9RNR See ad pg. 122

LIVE-ABOARDS

89. AGGRESSOR FLEET 1-800-348-2628 See ad pg. 79
90. NEKTON DIVING CRUISES
1-800-899-6753 EXT. ROD See ad pg. 23
91. OUT ISLAND VOYAGES
1-800-241-4591 See ad pg. 100
150. PETER HUGHES ** 1-800-9-DANCER See ad pg. 27-34
92. WINDJAMMER BAREFOOT CRUISES
1-800-327-2601 See ad pg. 123

PHOTOGRAPHY

93. HELIX** 1-312-421-6000 EXT. 240 See ad pg. 74 A-FF
94. IKELITE 1-317-923-4523 See ad pg. 120
95. SEA & SEA UNDERWATER PHOTOGRAPHY
1-800-SEA-7977 See ad pg. C3
96. UNDERWATER PHOTO TECH
1-603-432-1997 See ad pg. 124
97. WATERLOG VIDEO 1-800-928-3754 See ad pg. 124

SPECIAL SECTION CAYMAN ISLANDS

98. CAYMAN DIVING LODGE
1-800-TLC-DIVE See ad pg. 70
99. DIVI RESORTS 1-800-367-DIVI See ad pg. 72
100. DON FOSTER'S DIVE CAYMAN
1-800-83-DIVER (1-800-833-4837) See ad pg. 69
101. ENTERPRISE BED & BREAKFAST
1-800-484-9943 Code 3440 See ad pg. 73
102. INDIES SUITES LTD. 1-800-654-3130 See ad pg. 71
103. PARROTS LANDING 1-800-448-0428 See ad pg. 64-65
104. RED SAIL SPORTS 1-800-255-6425 See ad pg. 68
105. SUNSET HOUSE 1-800-854-4767 See ad pg. 67

SPECIAL SECTION MICRONESIA

106. CONTINENTAL MICRONESIA
1-800-900-7657 See ad pg. 84
108. MANTA RAY BAY HOTEL & YAP DIVERS
011-691-350-2300 See ad pg. 83
109. PALAU DIVING CENTER/CARP ISLAND RESORT
011-680-488-2978 See ad pg. 80
110. PALAU PACIFIC RESORT
011-680-488-2600 See ad pg. 81
111. PALAU VISITORS AUTHORITY
011-680-488-2793 See ad pg. 78
112. POHNEI TOURIST COMMISSION
011-691-320-2421 See ad pg. 77
113. SEAWARD HOLIDAYS - S. S. THORFINN
011-691-330-4302 See ad pg. 85
114. TRIP-N-TOUR MICRONESIA
1-800-348-0842 See ad pg. 81
115. TRUK CONTINENTAL HOTEL
011-691-330-2727 See ad pg. 81
116. TRUK STOP HOTEL 011-691-330-4232 See ad pg. 82
117. WESTERN CAROLINE TRADING CO.
011-680-488-1551 See ad pg. 82

SUBJECT TO CHANGE
** Inserts

a near-drowning must be taken to a medical facility and evaluated, no matter how nonthreatening the episode may seem.

How Does It Happen?

The drowning process occurs in stages—the first involves surprise and possible panic, in which the person attempts to keep his head above water, taking deep breaths and thrusting his arms downward to try to remain above water level.

While fighting to stay afloat, the victim will often hyperventilate, and with little air retained in the lungs, become negatively buoyant and submerge. Then reflex breath-holding begins; the urge to breathe becomes stronger as the victim consumes available oxygen from the air remaining in his lungs.

After two or three minutes, the victim unconsciously breathes under water. Oxygen deficiency causes brain depression (lack of any activity), which, combined with the instinctive urge to breathe due to the accumulation of carbon dioxide in the body, causes the reflexive inhalation of water into the lungs.

The drowning individual, although unconscious at this point, begins to swallow water reflexively in order to prevent its entrance into the lungs. As oxygen is consumed in the body, the urge to breathe becomes stronger, with reflex swallowing giving way to a deep breath. This fills the lungs; the individual becomes more negatively buoyant and tends to sink downward, while continuing to breathe unconsciously.

At this point, brain functions and heart action become more depressed because of the lack of oxygen; the heart rate slows, leading finally to cardiac arrest and a final convulsion.

With a near-drowning victim, however, complete recovery is possible if two conditions are met: if the victim is rescued before water is breathed in, and if breathing is restored before circulatory arrest occurs (which can cause permanent brain damage).

Time Is of the Essence

When was the individual's last breath above water?

This is the key question you need to ask when you consider resuscitation. After the individual submerges, underwater breathing can begin in as little as

three to four minutes. If the victim is recovered before underwater breathing begins, resuscitation may not be as difficult.

After the victim begins underwater breathing, it takes only another three to four minutes before profound oxygen deficiency leads to cardiac arrest. Following cardiac arrest, it takes only another four to six minutes before the brain is damaged beyond the possibility of recovery.

The total time of submergence with the chances of recovery, then, can be expected to be 10 to 12 minutes at most. However, there are instances when this is not true. In recent years, a number of individuals have recovered from near-drowning incidents—despite exposures of up to an hour in cold water.

How is this possible?

This phenomenon can be partially explained by a process known as the mammalian diving reflex. Triggered when the face is exposed to cold water, this reflex causes shunting (shifting or diverting) of the blood from the skin, muscles and abdomen to the tissues that are most sensitive to the lack of oxygen—the brain, heart and lungs.

Other cold-water effects are equally important in the survival of cold-water drowning. Immersion hypothermia, which is marked by cooling of the brain and the slowing of both circulation and metabolism, surprisingly, can have a protective influence as well as a deadly one.

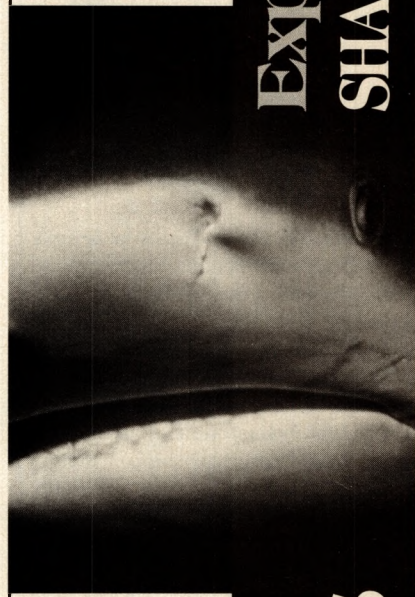
In humans, the areas of greatest heat loss are in the head, neck and groin because so many arteries are close to the skin in these areas. The brain cools faster than the other tissues in the body, causing a drop in oxygen requirements. Strangely enough, the available oxygen can then supply the body's needs for a longer period of time.

The maximum exposure time before resuscitation is unknown, but at present CPR is advised for exposures of up to one hour. Attempts past one hour are valid, but they have been generally unsuccessful. The water temperature is important—the mammalian diving reflex doesn't work in water temperatures above 70F.

As soon as the face is taken out of the water, the individual's protective diving reflex shuts down. Intact survival, then, depends on resuscitation at the accident scene. Cold water applied to the forehead, face or inside the nose

...I was just settling into position, checking my air, checking my depth and then... I looked up.

Experience
SHARK ALLEY



FALL
SPECIAL

\$ SAVE
75 6 Days
5 Nights
4 Full Days of Diving

- ♦ Spacious private villas sleep four, kitchen, living room, TV, A/C
- ♦ Dive boats are steps away from your private villa
- ♦ Dive Shop, Snacks & Supplies

DIVE
DIVE
DIVE
Resort

Nassau's first and only Dive Resort.
For reservations or a brochure call TOLL FREE
800-368-3483
EAX 809-362-1994

NASSAU
BAHAMAS

Shark photograph by Norbert Wu

Yes you can!

LEARN Nitrox in the Bahamas
CALL FOR DETAILS

ANDI, IANTD,
NASDS, NAUI,
PADI, SSI, TDI

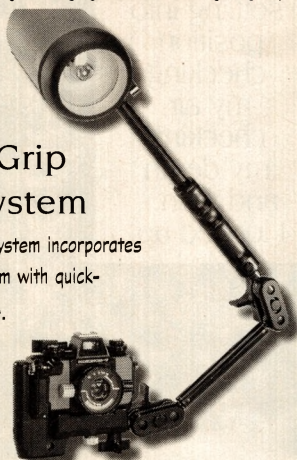
Minimum stay 3 night pkg. or longer. Holidays excluded.
Effective dates 6 Sept. to 16 Dec.

CIRCLE NO. 3 ON READER SERVICE CARD

ASK YOUR LOCAL DIVE SHOP!

Quick Grip Arm System

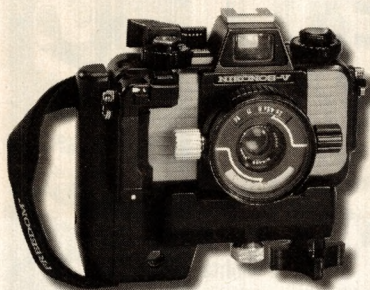
Ikelite Arm System incorporates articulating arm with quick-release handle.



The versatile Quick Grip Arm system improves upon other ball socket designs and incorporates a quick-release handle.

Removable at the push of a button, the contoured rubber grip offers easy one-hand control when hand holding the strobe and remounting without changing the original adjustment. Larger aluminum ball diameter, thicker clamp plates, and large wing nuts provide vastly greater holding power.

This New Arm system fits all Ikelite housings and the New Nikonos V tray.



N5 Tray

Specifically designed for the Nikonos V.

The Ikelite N5 Mounting Tray is greatly reduced in size from usual camera mounting trays while providing attachment points for all Ikelite strobe mounting systems on either side of the tray. The design incorporates a rubber hand grip and adjustable velcro strap to provide comfort and security.

This unique tray becomes an integral part of the camera, making handling of the camera comfortable even without a strobe attached.

Also included is the Rapid Advance Lever for fast, easy film advancement.

ASK YOUR LOCAL DIVE SHOP!

IKELITE UNDERWATER SYSTEMS

50 W 33rd Street • Indianapolis, IN 46208 • 317.923.4523

CIRCLE NO. 94 ON READER SERVICE CARD

will produce very slow breathing and pulse, redistributing the blood supply.

The next step is to begin first-aid measures. Assess the ABCs—airway, breathing and circulation. Perform cardiopulmonary resuscitation as soon as possible; begin rescue breathing while in the water if the individual is not breathing spontaneously and there is no risk to you as the rescuer.

Remove the victim from the water, check the carotid pulse in the neck and begin chest compression if you find no pulse.

Are You Ready To Help?

Getting back to basics, now, are you ready for this? Could you come through for another diver? With the right training, you can.

Take a course. Scuba lifesaving and accident management courses are offered by virtually all diver certification agencies. If you never need it, fine. But if you do, you'll be glad you took the time to learn.

This article was taken from *DAN's Dive and Travel Medical Guide*, now available to all interested divers. To order, call DAN Member Services at (800) 446-2671.



Divers Alert Network (DAN) is an international tax-exempt nonprofit member-supported diving safety organization based at Duke University Medical Center in Durham, N.C. Since 1980, DAN's primary mission has been to help make diving safe for recreational scuba divers. It accomplishes this goal by providing medical consultations for injured divers, by collecting and analyzing diving accident and fatality information, by promoting educational programs, by offering diving accident insurance and worldwide medical evacuation coverage and distributing *Alert Diver*, an award-winning diving safety and health magazine. DAN is supported in these endeavors by a network of diving medical experts, hyperbaric facilities, instructors, stores, training agencies, clubs and manufacturers.

A Face Only Mother Nature Could Love.

Once you meet a manatee, you're hooked. They're blubbery, yet lovable. They're big (up to 15 feet); yet friendly (they'll gently nudge you for attention).

In the U.S., manatees are found only in Florida with the greatest concentration inhabiting Citrus County due to our warm, spring-fed waters, underwater caves and friendly environment.

To a diver, Citrus County is Mother Nature's Theme Park. Call for more information. Ask for Bubbles. (904) 746-4223.

CITRUS COUNTY, in the heart of west central Florida's famous Nature Coast.



CIRCLE NO. 41 ON READER SERVICE CARD

TURKS & CAICOS ISLANDS

FLAMINGO DIVERS

10 Dives
\$282

Camera
Rental

World Class Diving
Flexible Profiles
Scuba Classes
Hotel Packages

1-800-204-9282

N.W. Point
French Cay
West Caicos
Walls Walls Walls

Small Groups
Friendly Informative Staff
Good Vis & Warm Water
REEF Station

Ph/Fx 809-946-4193

CIRCLE NO. 62 ON READER SERVICE CARD



HARBOR ISLAND, BAHAMAS

800-383-6480

(809) 333-2309

CIRCLE NO. 9 ON READER SERVICE CARD



PALAU

Personalized professional dive tours!
Affordable hotel packages!

SAM'S DIVE TOURS

(ph) 011-680-488-1062, (fax) 011-680-488-5003

Diving with the personal touch!!!

DIVE DISCOVERY (800) 886-7321
(415) 274-8926, (fax) (415) 781-0213

CIRCLE NO. 55 ON READER SERVICE CARD

DIVE KONA HAWAII

6 nights hotel • 6 days rental car
3-2 tank boat dives • \$390 pp/d. occ.

1-800-525-PADI

King Kamehameha Hotel
75-5660 Palani Rd.
Kailua-Kona HI 96740
1-808-329-KONA



CIRCLE NO. 49 ON READER SERVICE CARD

COZUMEL'S BEST \$ VALUE=



FIESTA INN +



4 Nights
Three 2-tank
plus
One 1-tank
dives

from \$279!

7 Nights
Five 2-tank
plus
Three 1-tank
dives

from \$465!

TROPICAL ADVENTURES

800-247-3483

(206) 441-3483 • FAX (206) 441-5431

1st Place Favorite Dive Travel Specialist

CIRCLE NO. 37 ON READER SERVICE CARD

Expeditions to The CARIBBEAN and The INDO-PACIFIC

DIVE TO CONSERVE THE WORLD'S CORAL REEFS

Coral Cay Conservation needs adventurous volunteers to spend 1-3 months surveying a variety of marine habitats as part of the Belizean and Filipino Governments' "Coastal Zone Management" Initiatives. Based on beautiful, remote coral islands, divers will work in teams, gathering scientific data to help conserve some of the world's most spectacular coral reef systems. Over 1,000 volunteers have dived with us since 1991. It changed their lives, let it change yours!

- All scientific training provided
- No previous experience required
- Minimum diving qualifications - PADI Open Water Diver, or equivalent
- Expeditions depart monthly throughout the year.
- From only \$2,250 - 4 weeks to \$4,650 - 12 weeks (excl flights)

For further information contact:

Coral Cay Conservation
c/o Vision Earth Society
1825 NE 149 Street, Miami, FL 33181
Tel: 305 945 6789 Fax: 305 945 0300

CIRCLE NO. 73 ON READER SERVICE CARD

Been There... Dived That! Dive the World with Us

SEYCHELLES

Exotic Indian Ocean locale. Combined with an African safari, it's the vacation of a lifetime. Low air from 9 US gateway cities.

PALAU-TRUK-YAP

The essential jewels of the Pacific. Probably the best diving in the world - and easy to get to.

RED SEA-EGYPT

From shore diving on the Sinai to luxury liveaboards on the Southern Red Sea. Nile Valley, too!

MAIPELO-PANAMA

The Hammerheads of Malpelo and the Hannibal Banks await the sailing of The Coral Star.

Customized Trips, Expertly Planned.

World Dive Adventures

1-800-433-DIVE

CIRCLE NO. 21 ON READER SERVICE CARD

Been There... Dived That! Plan Your Next Trip the Smart Way:

Talk to an Instructor

Who HAS Been There and Dived It.

Some of our most popular destinations:

BONAIRE from \$599

7 nights, 6 boat dives, unlimited shore diving & more...
Buddy Dive (Only \$889 from Miami, any day!) / Sand Dollar.

BELIZE from \$670

7 nights, lots of dives. Lighthouse Reef, Ramon's, Manta, Yacht Club, Sunbreeze, Rum Point, Turneffe Flats, others.

ROATAN from \$575

7 nights 3 dives/day and all meals. Caribbean Top 5.
CocoView / Sunrise / Reef House / Fantasy Island

GRAND CAYMAN from \$589

7 nights, 12 dives, plus optional Stingray City. Most condos & hotels. Doubles/quads in 1- & 2-bedrooms. Fisheye & Quabbin; Georgetown, Island Pines, others.

CAYMAN SISTERS from \$938

7 nights on Cayman Brac and/or Little Cayman. 3 dives/day, all meals. Brac Reef / Divi / Little Cayman / Pirate's Pointe.

SABA from \$619

7 nights, 10 dives. Superb Eastern Caribbean walls, pinnacles, reefs. Sea Saba / Cottage Club / Juliana's.

DOMINICA from \$798

7 nights on the beach, 10 dives, breakfast & dinner. Caribbean Top 5. Castaways Resort / Anchorage Hotel.

NASSAU from \$285

Weekends to weeks. 3 to 7 nights, 8 to 24 dives.
Tongue of the Ocean Walls. Orange Hill / Nassau Scuba Centre.

Your Center for Liveaboards

AGGRESSOR FLEET from \$1195

10 famous boats around the world: Roatan, Belize, Cayman, Turks&Caicos, Galapagos, Coco, Kona, Truk and Palau.

PETER HUGHES from \$1295

The ultimate in liveaboard luxury. Palau, Belize, Turks & Caicos and now The Bay Islands of Honduras.

CARIBBEAN EXPLORER \$1075

Dive the famous pinnacles of Saba. Plus St. Kitts. Out of St. Maarten. A fabulous week!

Call Jen & Phil for other destinations
other resorts, other lengths of trips,
and LOW airfare from your town.



Call the Dive
Travel Specialist
that Everyone
Respects & Trusts

Caribbean Adventures

1-800-934-DIVE

CIRCLE NO. 86 ON READER SERVICE CARD

Bilikiki Cruises Ltd.
Luxury Liveaboard Dive Vessels
Solomon Islands
M.V. BILIKIKI
M.V. SPIRIT OF SOLOMONS
800-886-7321

CIRCLE NO. 57 ON READER SERVICE CARD

A GRAND CAYMAN BEACHFRONT HOME
 YOUR CHOICE
 A small 2 Bd. 1 Ba. as low as
US \$325/wk
 or a very large 3Bd. 3 Ba. as low as
US \$950/wk

CIRCLE NO. 30 ON READER SERVICE CARD

HOT DIVE BELIZE
 Private, elegant live-aboard accommodations for four with increased occupancy to six for acquainted group.
Day Charters, special cruise itineraries available upon request
One Week Itinerary
 ■ Unlimited Diving
 ■ Sport Fishing
 ■ Snorkeling
CALL 1-800-HOT-DIVE

CIRCLE NO. 25 ON READER SERVICE CARD

SOLOMON ISLANDS
 Stunning walls, reefs and drop offs. Perfect intact WWII shipwreck 446' long for recreational diving! Warm clear waters! Gizo Island offers a tranquil, idyllic South Pacific paradise getaway!
ADVENTURE SPORTS GIZO
800-886-7321

CIRCLE NO. 58 ON READER SERVICE CARD

SCUBA GRAND BAHAMA
 Beautiful Reefs • Sharks • Shipwrecks
 Diving the way you want it
809-373-6775
 Six dive pkg. \$159, Hotel & Dive packages from \$276
 Quality Scuba Instruction and Reef Ecology courses
GRAND BAHAMA WATERSPORTS
 Box F-40895 • Freeport, Grand Bahamas

CIRCLE NO. 5 ON READER SERVICE CARD

Visibility 100+ 58° Year-Round
1 HOUR SOUTH OF ST. LOUIS
FULLY ILLUMINATED UNDERGROUND LAKE.
BECOME A DEEP EARTH DIVER!
Filmed & Dived by Jacques Cousteau.
BONNE TERRE MINE
314-731-5003
 11215 Natural Bridge Road • St. Louis, MO 63044

CIRCLE NO. 52 ON READER SERVICE CARD

Exuma Fantasea
THE BAHAMAS EXPERTS
IN ECO DIVING WHO DO IT RIGHT!!!!
 • Only PADI Certified Underwater Naturalist Instructors lead dive groups.
 • Small ratio of 2 to 8 divers MAXIMUM per instructor guarantees the ultimate in studying, viewing, and experiencing marine eco-systems.
 • Owner/Instructor Ed Haxby, a marine biologist who has lived and worked in the Bahamas for 28 years, and his expert staff help you to become a part of the marine environment, not just an outside observer.
 • Blue Hole eco-systems our specialty.
 P.O. Box 29261, Georgetown, Exuma, Bahamas
Tel. & Fax (809) 336-3483

CIRCLE NO. 4 ON READER SERVICE CARD

Thailand EXOTIC
 Exotic Diving for Caribbean Prices
 Fantasea (7 nights) **\$1240**
 Burma Banks
 Andaman Explorer (6 nights) **\$640**
 Similan Islands
TROPICAL ADVENTURES
1-800-247-3483
 (206) 441-3483 • Fax (206) 441-5431

CIRCLE NO. 53 ON READER SERVICE CARD

Dive Nebraska!
 Millions of years ago, the midwest was *THE* dive destination. Let *Reef & Rainforest* take you to today's ultimate dive sites – Palau, PNG, Thailand, the Red Sea, the Caribbean... and beyond.
 Call: **800 794-9RNR** *It's time for some R&R!*


CIRCLE NO. 88 ON READER SERVICE CARD

DIVE SOLOMONS
 THE LARGEST LAND-BASED OPERATION IN THE SOLOMONS
 GUADALCANAL - Diverse WWII wreck sites
 GIZO - Pristine walls, reefs and drop-offs
DIVE DISCOVERY 800-886-7321
 415-274-8925 • Fax 415-781-0213

CIRCLE NO. 59 ON READER SERVICE CARD

UEPI ISLAND RESORT
 Marovo Lagoon • Solomon Islands
 Intimate in its privacy and tranquility. Spectacular drop-off diving, massive gardens of hard and soft corals, pelagics, invertebrates!
DIVE DISCOVERY 800-886-7321
 415-274-8925 • Fax 415-781-0213

CIRCLE NO. 60 ON READER SERVICE CARD

BAY ISLAND ~ HONDURAS

UTILA REEF RESORT
 UTILA REEF RESORT IS THE DIVERS' DREAM COME TRUE. SEA MOUNTS, WRECK AND REEF DIVING ON THE SECOND LARGEST BARRIER REEF IN THE WORLD. ALL FROM ONE RUSTIC AND UNSPOILED TOPSIDE RETREAT
 800-263-9876
 504-261-7368
 504-262-0105 (FAX)
 CALL FOR BROCHURE ~ RATES

CIRCLE NO. 20 ON READER SERVICE CARD

LOOKING FOR A GREAT CARIBBEAN ADVENTURE?

SOULSHINE RESORT
 Lets you set your own pace! On our own secluded island on the outskirts of the quaint town of Placencia, Belize.
FOR RESERVATIONS (800)301-1418
FOR INFORMATION (800)890-6082

CIRCLE NO. 24 ON READER SERVICE CARD

Costa Rica
El Ocotal
Diving Safaris
 Complete Diving Packages
from \$385
PADI Dive Resort
 Reservations
TROPICAL ADVENTURES
800-247-3483

CIRCLE NO. 31 ON READER SERVICE CARD

Blue Bubble... No Trouble!



Dive with the safest,
most flexible dive center
in Cozumel.

- ▶ PADI Instruction
- ▶ Package Rates
- ▶ Fast Boats

phone/fax
(987) 21865

1-800-878-8853
Blue Bubble Divers

CIRCLE NO. 32 ON READER SERVICE CARD

DIVE ROATAN

Discover the magic of the
beautiful Bay Islands

Enjoy exceptional diving
adventures with affordable,
all inclusive packages:
8 days and 7 nights
starting at
\$599.00

Call us today for a detailed
brochure and more information:
1-800-298-9009
(619) 258-7096 Fax (619) 258-5409



5338 Balboa Avenue, San Diego, CA 92117

CIRCLE NO. 19 ON READER SERVICE CARD

Australia's Best Dives!



Access Australia's best dives, aboard
Australia's best Liveaboards!

- WATERSPORT • SUPERSPORT
- SPOILSPORT

Ask about our combined itineraries

- COMFORT
- SAFETY
- CHOICE
- QUALITY



- CORAL SEA
- COD HOLE
- YONGALA
- WRECK

**Mike Ball
Dive Expeditions**

**AUSTRALIA
RESERVATIONS**

1-800-952-4319

For U.S. Consumers only

Fax: 011 6177 212152

FREE VIDEO AVAILABLE

Buy 1 Get 1 Half Off!*

Set sail on Windjammer's 6 or 13 day
Caribbean adventures and bring a
companion for 1/2 fare!

Call your travel
agent or (800)
327-2601.

* Must show diver
certification
upon
booking.

Windjammer Barefoot Cruises
P.O. Box 190120, Dept. 66, Miami Beach, FL 33119

CIRCLE NO. 92 ON READER SERVICE CARD

AMERICA'S BEST DIVING

PALM BEACH, FLORIDA

**Giant Stride
Charters**



Relax...and enjoy
TUXEDO SERVICE you'll receive aboard
the Giant Stride. Explore 2+ of the
WORLD'S BEST WRECKS and the #1
DRIFT DIVE IN THE U.S. All teeming with
big marine life including turtles, morays,
eagle rays & sharks. After diving, Palm
Beach has BEAUTIFUL WHITE SAND
BEACHES, lots of family fun, HOT
NIGHTLIFE and great restaurants. SO
YOUR WHOLE VACATION IS TERRIFIC!

Hotel & Dining Packages with **Radisson**

1-800-WPB DIVE

GIANT STRIDE CHARTERS

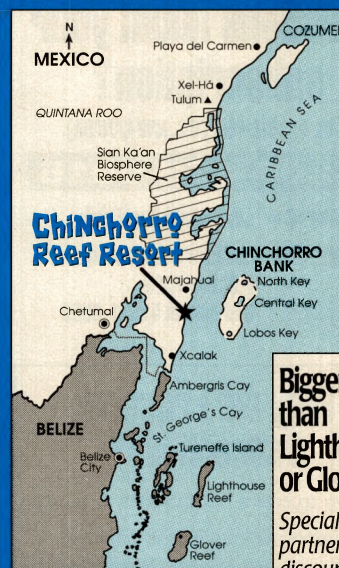
(407) 745-9286 email GSTRIDE@GATE.NET

Nitrox User Courses \$125

CIRCLE NO. 42 ON READER SERVICE CARD

Dive Chinchorro Reef in 1996.

The undiscovered gem of the Caribbean.



**Bigger
than
Lighthouse
or Glover.**

Special
partnership
discounts
available for
dive shops
and agents.

FOR INFORMATION:
**Chinchorro
Reef Resort**

4060 Peachtree Rd., Suite D-258, Atlanta, GA 30319

CIRCLE NO. 35 ON READER SERVICE CARD

Rodale's
SCUBA DIVING
THE MAGAZINE DIVERS TRUST

SUBSCRIBER SERVICE INFORMATION

ABSOLUTE SATISFACTION GUARANTEED

Your satisfaction is important to all of us at Rodale's Scuba Diving. The information below answers some of the most commonly asked questions and tells you how to reach us for prompt, courteous attention. Should you ever experience a problem with your subscription, please let us know right away.

Questions about your subscription?

CALL US TOLL-FREE (U.S. AND CANADA)

1-800-666-0016

OR E-MAIL US ► scubadivdm@aol.com

OR WRITE US ► Rodale's Scuba Diving
P.O. Box 7589
Red Oak, IA 51591-0589

Why did I receive a second bill?

If you receive a bill or renewal notice soon after mailing in your payment or order, disregard the duplicate notice. Our letters simply crossed in the mail. (However, if you continue to receive bills or renewal notices, let us know.)

PRODUCTS & SERVICES

DIVE SAFETY



CIRCLE NO. 80 ON READER SERVICE CARD

Don't get lost at sea; be found with Dive-Alert, the surface signaling device that emits a loud blast heard up to a mile away. Quick disconnect fittings allow easy integration with most power inflators and low pressure hoses. Models now available for SeaQuest® AirSource and Scubapro® A.I.R. 2.

Ideations • 800 275 4332
206 281 0067 • FAX 206 285 6897
U.S. Patent No. 4950107
and foreign patents

Sea Lions In Your Living Room?!
You Must Be Watching...



WATERLOG
A VIDEO MAGAZINE FOR DIVERS

Order Today! 1-800-928-3754

A Southern California Special and excellent resource guide
CIRCLE NO. 97 ON READER SERVICE CARD

Underwater Photo-Tech

Repairs of underwater camera systems!
Sales, service, custom modifications, rentals

One Call Does It All

(603)432-1997

16 Manning St. • Suite 104 • Derry, NH 03038

CIRCLE NO. 96 ON READER SERVICE CARD

NASSAU
Sunskiff Diver's Ltd.

Small Group Diving Aboard 30' Scarab
Out Island Day Trips and Charters
NAUI - PADI Certifications & Referrals
Dive Packages From \$198.00

800-331-5884 in U.S.A.
809-362-1979 in NASSAU

"The Best in Small Group Diving"
Field Station

How to Make

\$20,000 PROFIT

In One Week Teaching Scuba

1-808-328-9836 for free info

CIRCLE NO. 51 ON READER SERVICE CARD

DIVE ALL DAY WITH SUPER SNORKEL



Enjoy real diving freedom with an unlimited air supply! It's compact and lightweight. You can take it to your favorite dive spots.

Call or Write:

INNOVATIVE DESIGNS, INC.
3785 AVE. 19 N. Suite R / Palm Harbor, FL 34683
(813) 934-4619

MATCH POINT

Always keep a shovel, rake and water nearby when burning debris.

**REMEMBER, ONLY YOU CAN
PREVENT FOREST FIRES.**



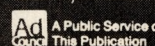
A Public Service of the USDA Forest Service and Your State Forester.



LITTLE BY LITTLE,
OUR WATERS ARE LOOKING
LESS LIKE ART
AND MORE LIKE TRASH.

You can help protect our water by using natural lawn care products, less toxic household cleaners and by recycling used motor oil. Call 1-800-504-8484 and we'll send you more on how you can help protect our rivers, lakes and oceans forever.

CLEAN WATER.
IF WE ALL DO A LITTLE,
WE CAN DO A LOT.



CLASSIFIEDS

AUSTRALIA

PRO DIVE CAIRNS - GREAT BARRIER REEF - 3 day-2 night live-aboard cruises to the outer reef 4 times weekly, 11 dives Au \$350.00 - U.S. \$250.00. PADI 5-Star IDC Beginner - Instructor courses. Day trips daily, Cod Hole & Coral Sea twice weekly. Ph Intl+6170 315255 - Fax Intl+6170 519955.

BAHAMAS

BAHAMAS DIVE SHOP FOR SALE - Turn Key. Big shop on an ever-growing Out Island. Call 201-628-1190.
LUXURY ABACO VILLAS - sleep 6; A/C, tennis, pool. World-class deep sea & bone fishing. Great scuba, snorkeling, boating to deserted islands. Island direct 809-367-2046; 1-800-322-7757.

BARBADOS

HIGHTIDE WATERSPORTS - Small groups, personalized service. Fast custom boat, PADI Resort member, photo & video, all watersports. Phone/fax 809-432-0931.

BAY ISLANDS, HONDURAS

REEF HOUSE RESORT/MAYAN VIP TOURS - Dive Roatan's resplendent, unspoiled reef. Mayan Ruins, adventure, tropical tours on mainland Honduras. 1-800-328-8887.

ROATAN - Secluded beach house w/private dock, fully furnished, 3BR, 2BA, sun deck. Easy access to diving. 303-420-1187.
ROATAN/CENTRAL AMERICA - Best dive resorts, live-aboards in Bay Islands & Costa Rica. Special airfare packages, individuals or groups. 1-800-367-5960.

ROATAN RESORTS - Full week diving, all meals, transfers, oceanfront bungalow facing Caribbean sunset. \$599. Low airfare & tours too. 1-800-392-6292.

SUENO DEL MAR DIVE RESORT - Beach front rooms, restaurant, bar. Inclusive dive packages or single night accommodations. Gear rentals/lessons. 1-800-377-9525.

BELIZE

BELIZE DIVE PACKAGES - For individuals & groups. Aggressive pricing. Economy to luxury, land or live-aboard. Special airfare packages. 1-800-367-5960.

BELIZE'S PREMIER DIVE FACILITY - Reef dives, Blue Hole trips. Hotel/dive packages starting at \$399. Gaz & Dave's Belize Dive Center. 1-800-938-0860.

PLACENCIA - Waterfront cabanas for rent. Located on private island. Diving, fishing, Jaguar Preserve Tours & much more. SOULSHINE RESORT, 203-767-1988.

PLACENCIA DIVE SHOP, KITTY'S PLACE - Placencia, Belize. Beach resort. Full-service dive shop. Virtually untouched reef. 501-62-3227 (Tel), 501-62-3226 (Fax).

SAINT GEORGE'S LODGE - Top-quality diving & certifications. Weekly packages from \$1,349.00. Arrive/depart ANY DAY. Excellent food & accommodations. 011-501-244190, 1-800-678-6871.

YEAR-ROUND DIVING in the crystal clear waters of the second longest barrier reef in the world & fabulous Inland Adventure Tours. Also ideal for non-diving companions. The UK's leading Belize experts now have a USA office. For a vacation in paradise contact: GLOBAL TRAVEL CLUB (USA), tel. 1-800-673-8813 or 409-925-1388. Fax: 713-332-7942. In the UK (01144) 1268-541732, fax 1268-542275.

BONAIRE

TOWNHOUSE ON THE BEACH - 2BR/3BA, great shore/boat diving. Dive shop close by, snorkel & windsurf, too. Phone/fax 516-694-3430.

BRITISH VIRGIN ISLANDS

DIVE BVI LTD. - With 3 convenient locations in the BVI. Hotel & dive packages available starting as low as \$665/pp for a 7-night/5-day diving package. Call direct for information or reservations. 1-800-848-7078.

CALIFORNIA

MONTEREY - #1 shoreline dive destination. Cypress Gardens Inn/El Adobe Inn. Special rates for divers. Wash stations. Information & reservations - US & Canada 1-800-433-4732.

CAYMAN ISLANDS

CAYMAN BRAC BARGAINS! - Deluxe beach front vacation homes; 7 nights, 5 days fantastic diving from \$469 per diver. Guaranteed lowest all-inclusive packages, Tiara Beach Resort. Jim, 503-426-4863.

CAYMAN BRAC LUXURIOUS VALUE - Spacious 2BR condos on white sand beach. Palm trees, restaurant, pool, friendly people. Ideal location, terrific value, dive packages from \$670/diver, quad occupancy. Free brochure. Brac Caribbean Beach Village, Box 4-R, Stake Bay, Cayman Brac, BVI; toll free 1-800-791-7911, fax 214-480-8634.

THE CAYMAN ISLANDS: THE BEACH & BEYOND - Island discovery guide book: eco & adventure travel, walking, hiking, running, bicycling, kayaking, fitness, special interests. U.S. \$19.95, includes S&H. Check/credit cards. Martha K. Smith, C-18, P.O. Box 323, Peapack, NJ 07977. Tel 908-234-1948, fax 908-781-1948.

EXPERIENCE GRAND CAYMAN'S EAST END - Virgin diving. Uncrowded, best in Cayman. Call OCEAN FRONTIERS - 809-947-7500.

COSTA RICA

COSTA RICA TRAVEL SPECIALIST - Wide selection of scuba, jungle, & white water rafting tours. Land based. Live-aboards. Customized pkgs. Call LANDFALL ADV. TRVL. U.S./CANADA 1-800-525-3833, CA 510-794-1599.

DOMINICA

NATURE ISLAND - Packages w/Dive Dominica & Castle Comfort or Fort Young Hotel. Call Scuba Voyages, 1-800-544-7631 or e-mail: scubavoy@ix.netcom.com.

FIJI

FIJI TRAVEL SPECIALIST - Wide selection of budget, luxury, & honeymoon dive / vacation resorts. Customized multiple island packages available. Call LANDFALL ADV. TRVL. U.S./CANADA 1-800-525-3833, CA 510-794-1599.

SPORTOURS FIJI - Dive Kadavu offers the best of Fiji's underwater world, while the Mantana Resort delivers secluded ambience. Nationwide 1-800-GO2-FIJI.

WORLD CLASS LIVE-ABOARD DIVING - Explore the outer wall of the Astrolabe Reef w/ Aqua-Trek's exclusive rights to this pristine area. A world class diving trip including Kandavu's Yellow Wall & Beqa Lagoon. For departure dates call 1-800-541-4334.

FLORIDA

ADVANCE YOUR DIVING SKILLS - Cavern & Nitrox classes in N. Central Florida Springs. Technical Instruct. Cave & Tri-Mix. Manatee snorkel tours, guided dives, u/w video. Call Birds Underwater, 1-800-771-2763.

DISCOVER FT. LAUDERDALE'S majestic wrecks & reefs aboard Omega Blue's custom 6-passenger dive vessel. 4-day PADI certification. Snorkel/waverunner pkgs. 1-800-755-3111, 305-783-3111.

LEARN FROM WORLD RECORD DIVER, HAL WATTS - Deep Air to 300', rebreathers, Nitrox, Trimix, Cavern. 9487 NW 115th Avenue, Ocala, FL 34482-1007. 904-368-7974, fax 904-351-1924.

RON JON WATER SPORTS CENTER - Everything for every water sport! Sales, accessories, service - dive & snorkel, surf, ski, more. For beginners to professionals. Ron Jon Surf Shop, 520 & A1A, Cocoa Beach, FL 407-799-8840.

FLORIDA KEYS

BILL HARRELL'S DIVE INSTRUCTION - Private PADI instruction from Master Instructor. Open water through Divemaster, referrals, 18 specialties. AOW Course, \$250, includes gear. Upper Keys. Call 1-800-959-DIVE.

DISCOVERY DIVE - Key Largo. DAILY DIVE TRIPS starting at only \$19.95! LEARN TO DIVE IN ONLY 3 DAYS! All Advanced & Nitrox courses available daily too! 1-800-622-6813.

FLORIDA'S LOWER KEYS - Vacation rentals 1,2, & 3 BR waterfront homes. \$450 - \$2,000 weekly. Completely furnished. Mile Real Estate, 1-800-553-2827.

KEY LARGO'S SECLUDED CARIBBEAN PLANTATION - Amy Slate's Amroy Dive Resort. Superb rooms & villas overlooking Florida Bay. Scuba, snorkel, Eco-Tours, underwater & sunset weddings, & USCG Duane dives aboard our new 45 ft. catamaran. Pinehamp, Marine Sanctuary & the Everglades! PADI, NAUI, & BSAC instruction. Great value dive/accommodation packages from \$67.50 per day, tanks & weights. Stay 4 nights, 5th night FREE (some restrictions apply). 1-800-4-AMORAY.

KEY WEST'S premier dive center is Southpoint Divers. 2 Pro 42 jet boats. Small groups. PADI 5-Star. Instructor career training; dive packages. 714 Duval Street, Key West, FL 1-800-824-6811; e-mail: Southpoint@aol.com. FL lic. 1716.

LOOE KEY - Oceanfront house. 4BR/2BA. All amenities. Gorgeous view. Dock space available. Adjacent to dive center. Ph. 407-433-2294.

GALAPAGOS

HAMMERHEADS, WHALESHARKS, DOLPHINS, LAND EXCURSIONS - Two naturalists included on the ultimate dive boat. Northern islands included. Video available. Aquatic Encounters. 303-944-8384. Fax 303-494-1202.

LAMMER LAKE - 95 FT. TRIMARIN - Experience fantastic u/w & topside wildlife encounters while enjoying affordable elegances. Call the Galapagos leader. LANDFALL ADV. TRVL U.S./CANADA 1-800-525-3833, CA 510-794-1599.

HAWAII

DIVE MAUI - Outer island dive trips, best locations, affordable packages. Sea caves, turtles, walls! NAUI /PADI /SSI /NASDS Nitrox training. 808-667-2080.

A DIVER'S KONA COAST 1BR CONDO on ocean. Exciting diving steps away! Fully equipped, w/king bed. From \$550/wk. Discount car. Carol 1-800-967-1220; fax 916-967-2129.

ECO-ADVENTURES - 1-800-949-3483/Fax 808-329-7091 Big Island. 2-tank charters w/ lunch. Manta, Blue water & Long range dives. Instruction, PADI 5-Star IDC. Air/room/car. ALL ISLANDS!

NITROX TROPICAL DIVERS OF KAUAI - Underwater Scooter Tours! PADI International Resort; IANTD & ANDI Enriched Air Training Facility. FREE Information: 1-800-NX5-DIVE.

OAHU'S BEST DIVING off the Leeward Coast! RAINBOW DIVER II, glass bottom dive boat. Small groups, professional crew. 1-800-982-6747 for FREE Aloha Packet.

MARSHALL ISLANDS

CENTRAL PACIFIC DIVE EXPEDITIONS - Marshalls dive specialist - U.S. reservation office for Majuro, Mili & Kwajalein diving. Individual/group; escorted/unescorted; modern hotels/hatched huts. Be among the first! YOU select the itinerary: wrecks, reefs, walls. 1-800-U-GO-DIVE or 714-440-3717.

MEXICO

A - CLUB KUPPS Sea of Cortez 1-800-499-1600. Exclusive dive/sail vacation. Magnificent 3BR/3BA fully appointed beach house, 26 ft. sailboat, dive boat, waverunners, luxury van, staff. All inclusive packages. Call for brochure. ASA & PADI certification available.

AKUMAL - COZUMEL - CHINCHORRO - Caribbean home & condo rentals. Dive packages, barrier reef, cavern & cave diving. Beautiful beaches, lagoons, & ancient Mayan temples. Call for free brochures. 1-800-243-7480.

AVENTURAS CHINCHORRO - Experience the southernmost & best of the Mexican Caribbean. Dive the Chinchorro Banks. Dive packages from \$335. PADI facility. Dittmar Biller, 1-800-480-4505.

BAJA EXPEDITIONS - SEA OF CORTAZ 1-800-843-6967 Fax: 619-581-6542. Live-aboard trips to La Paz & Socorro Island. Hotel packages w/3 dives/day. 2625 Garnet Ave., San Diego, CA 92109.

CABO & LA PAZ - Dive Sea of Cortez w/sea lions, hammerheads, whalesharks, dolphins, mantas. Best accommodations, dives, airfare. 1-800-367-5960.

COZUMEL HOMES FOR RENT - Seafarmer homes 1-10 BR. Town homes 1-4 BR. Dives, car rentals, archaeological trips arranged. 1-800-833-5971.

COZUMEL - VILLAS EL CARACOL - 1 to 3 BR from \$95/night. Pool, A/C, maid, gear-rinse, kitchens, resident manager & more! Escape hotel rooms, enjoy real Mexico. Call U.S. Owner - 1-800-291-2715.

WHOLESALE MEXICO - Cabo, Cozumel, Baja. Central America, Caymans, Caribbean also. Air, land, & dive packages. Reservations thru U.S. office. Pacific Coast Adventures. 1-800-491-3483.

SABA

CAPTAIN'S QUARTERS - Victorian guesthouse w/sweeping ocean/mountain views. Packages w/all dive shops. Direct 212-289-6031, fax 212-289-1931 or Caradonna Tours 1-800-328-2288.

THE GATE HOUSE - Six charming rooms w/spectacular ocean views. Cafe open nightly. Package rates w/all dive shops. Direct 011-5994-62416, fax 011-5994-62529 U.S. 708-354-9641.

SEA SABA DIVE CENTER - P.O. Box 530 Windwardside, Saba, N. A. Fax 011-599-46-2362, Phone 011-599-46-2246, 800-328-2585. Full service; 2 40' uncrowded boats; expert (PADI, NAUI, SSI) instructors. Variety of packages: economy-luxury.

ST. LUCIA

SEAHORSE INN - Marigot Bay. Small, intimate bed & breakfast. Pool. Reasonable rates. Packages w/major dive shops. 809-451-4436, fax 809-451-4872.

ST. VINCENT AND THE GRENADINES

ST. VINCENT / BEQUIA TRAVEL SPECIALIST - Widest selection of scuba, vacation & honeymoon economy to luxury resorts. Call LANDFALL ADV. TRVL. U.S. / CANADA 1-800-525-3833, CA 510-794-1599.

SOLOMON ISLANDS

SPORTOURS SOLOMONS - Solomon Sea Divers offers true diving adventure at an unbelievable price. The Solomons aren't out of reach. 1-800-462-3454.

TOBAGO

DIVE WITH THE MANTAS - Packages w/Tobago Dive Experience & Manta Lodge or Grafton or Ocean Point. Ask about grand opening special. Scuba Voyages, 1-800-544-7631 or e-mail: scubavoy@ix.netcom.com.

UNITED STATES VIRGIN ISLANDS

LOW KEY WATERSPORTS, ST. JOHN - PADI 5-Star IDC Training Facility. Beginners through experts. Certifications & PADI, NAUI, SSI, NASDS referrals welcome. Dive packages. 1-800-835-7718, 809-693-8999.

VILLA PANACHE, ST. JOHN - Elegant, 5BR/5BA, air cond. villa w/30 ft. pool. Scuba package. Weekly rentals start; summer \$1850; winter \$4400. Owner 212-772-6958.

BUSINESS OPPORTUNITIES

CERTIFIED TEACHERS NEEDED - Guam USA. School year 1994-95 & 1995-96. Vacancies in: Secondary (all subject areas), Elementary (K-5), Special Education (all areas), Guidance Counselors, School Health Counselors, School Librarians, Occupational Therapists, Speech/Language Pathologists/Physical Therapists. LOTE (Languages other than English). Send inquiry by US mail to: Administrator, Personnel Services, Dept. of Education, P.O. Box DE, Agaña, Guam 96910.

PROFITABLE CARIBBEAN DIVE OPERATIONS - Live your dreams in America's Paradise. Write Peter Behringer, Farchette & Hanley Real Estate, One Queen Cross St., Christiansted, St. Croix, US Virgin Islands, 00820. 1-800-964-9755.

OF INTEREST TO ALL

AQUATIC T-SHIRTS of marine life; designs from original art actually painted underwater while on scuba. Free leaflet! Studio Gallery Art, 303 Park Ave South, Suite 311-A, New York, NY 10010. USA 212-673-1523.

DON'T BE A LONE! Find your perfect buddy for a dive, a season, or forever. New & experienced divers welcome. U.S./Caribbean/Canada. Partners In Diving, Inc., P.O. Box 9661, Ft. Lauderdale, FL 33310. 1-800-443-3483.

GAY/LESBIAN DIVERS! - Join "family" on worldwide dive vacations - G.B. Reef, Palau, Bay Islands, more. Undersea Expeditions, P.O. Box 9455, San Diego, CA 92169. 619-270-2900; fax 619-490-1002; e-mail: UnderseaX@aol.com.

MEET YOUR MATCH - 1-900-562-7000 ext. 2964. \$2.99 per minute. Must be 18 yrs. Procall Co. 602-954-7420.

SPORTOURS - Dive travel to all worldwide locations. Complete land & air packages. Call for brochure. Nationwide: 1-800-660-2754, fax 818-790-9321.

PHOTO/VIDEO EQUIPMENT

VIDEO SEA HOUSING & SHARP VLM-H100U HI-8 Viewcam camera. Complete outfit, housing, camera, lights, batteries, chargers & many extras. Used once. Paid \$4,900, take \$3,200. 913-681-9390.

PRODUCTS

BAUER COMPRESSOR - Model K15-E3, 17 cfm, 5,000 psi. Automatic, 100% rebuilt, 0 hours & under warranty. Contact Sal Sierra, 305-867-9328.

SAILING AND DIVING ADVENTURES

THE ULTIMATE VACATION GETAWAY - Avoid the crowds. Affordable, magical, sail & dive charters (crewed). Private, luxury floating resorts. Individuals, couples, small groups. 1-800-484-2207 ext. SAIL.

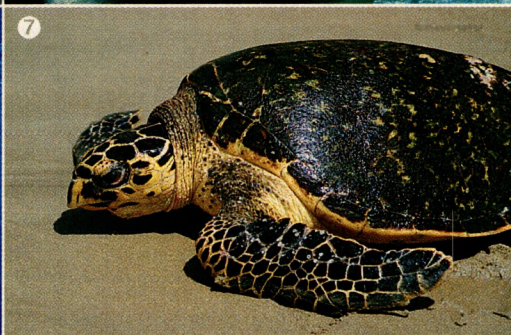
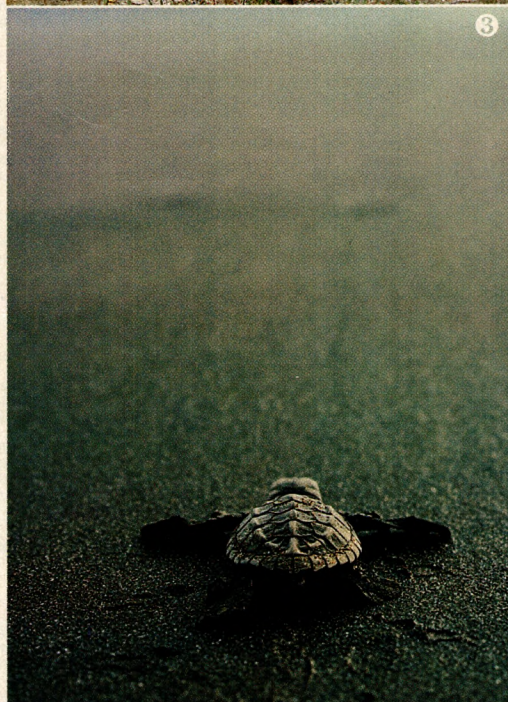
VACATION RENTALS

CAYMAN BRAC & COZUMEL - Cash or trade time in 3BR home for new/used scuba equipment, photographic equipment, firearms, art, airline tickets, etc. Let's talk! 713-942-0942.

VILLAS, APARTMENTS, COTTAGES in any Caribbean island - Bahamas, Bermuda, Hawaii, Florida Keys, Mexico, Mediterranean. More diving destinations around the world. International House Brokers, phone 305-567-9644, fax 305-567-9506.

APRIL 1996
ISSUE DEADLINE
FOR COPY AND PAYMENT
JANUARY 15, 1996
FOR CLASSIFIED ADVERTISING RATES AND
INFORMATION CALL
RHONDA MESSEX
912-351-6232

LAST LOOK?



1. American Crocodile

Status: Endangered
Population: 400 in the U.S.
Trend: Stable
Major threat: Habitat loss and alteration

2. California (or Southern) Sea Otter

Status: Threatened
Population: 2,100 to 2,400
Trend: Minor increase
Major threat: Oil spills

3. Kemp's Ridley Turtle

Status: Endangered
Population: Unknown
Trend: Stable to decreasing
Major threat: Human encroachment on nesting beaches; pollution; poaching; accidental kills in commercial fishing

4. Comanche Springs Pupfish

Status: Endangered
Population: 12,500 to 15,000 in protected habitats
Trend: Decreasing
Major threat: Habitat loss and alteration

5. Hawaiian Monk Seal

Status: Endangered
Population: Less than 1,500
Trend: Decreasing
Major threat: Limited habitat and human encroachment

6. Blue Whale

Status: Endangered
Population: Unknown
Trend: Probably increasing
Major threat: Slow recovery rate due to commercial whaling

7. Hawksbill Turtle

Status: Endangered
Population: Unknown
Trend: Decreasing in the Atlantic Ocean; unknown in the Pacific Ocean
Major threat: Egg and adult poaching; alteration of nesting habitat; entanglement and consumption of marine debris (monofilament, plastic, styrofoam); incidental take

CLOCKWISE FROM UPPER LEFT: MICHAEL FRANCIS/ WILDLIFE COLLECTION; HENRY HOLDSWORTH/ WILDLIFE COLLECTION; C. GLEN MILLS/ TEXAS PARKS & WILDLIFE; FLIP NICKLIN/ MINDEN PICTURES; KEN DEITCHER/ WILDLIFE COLLECTION; MARK CONLIN/ WILDLIFE COLLECTION; JACK SWENSON/ WILDLIFE COLLECTION.

FOR FEATURES LIKE THESE YOU COULD WAIT YEARS. [but why?]



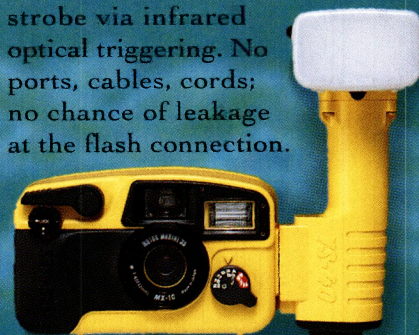
Motor Marine II-EX. The world's first and only 35mm amphibious camera that syncs for TTL flash photography at four shutter speeds: 1/15, 1/30, 1/60, and 1/125.

NX-50 Housing. The first underwater housing for Nikon N50 SLR camera and Nikkor AF lenses. A hydro-dynamic housing with space-age looks and down-to-earth features.



Motor Marine 35 MX-10. The first amphibious camera to sync with an accessory

strobe via infrared optical triggering. No ports, cables, cords; no chance of leakage at the flash connection.



YS-120 Duo.

The only u/w strobe with computerized circuitry to synchronize automatically for TTL flash photography with Sea & Sea and Nikon cameras.

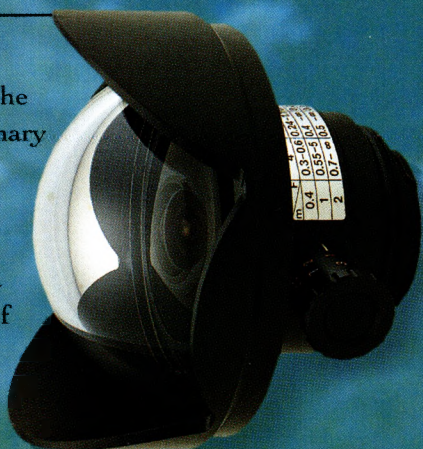


SX-1000.

The first fully integrated SLR 35mm camera, with housing and interchangeable lenses engineered specifically for underwater photography.



12mm Fisheye. The first and only primary fisheye designed exclusively for the Nikonos V. Delivers an ultra wide 167° field of view without distortion and curvature.



Profile 1000.

The only diving computer with pixel graphics to help you make safe diving decisions at a glance.



THE FUTURE OF UNDERWATER PHOTOGRAPHY AVAILABLE AT YOUR LOCAL DEALER TODAY
2105 CAMINO VIDA ROBLE, SUITE L, CARLSBAD, CALIFORNIA 92009 (619) 929-1909 FAX (619) 929-0098
PHOTO: JOE LIBURDI

Underwater
SEA&SEA
Photography USA
CIRCLE NO. 95 ON READER SERVICE CARD

**"WITH SHERWOOD,
WE WORRY
ABOUT THE PICTURE,
NOT THE
EQUIPMENT."**

—Liz and Andrew Wight
Professional Divers & Filmmakers

"For just a moment, I wondered how long it had been since the crocs had eaten. Then I turned my attention back to the business at hand.

"We dive for a living, concentrating on capturing that perfect shot. So we need equipment we can feel confident about. Equipment we trust dive after dive in some of the most challenging underwater situations known. Even something that's not used every dive, like an octopus. If I do need it, I'm sure it'll perform at a moment's notice.

"The octopus I use is also small, nicely streamlined. I know it's there, always ready, but it's never in the way.

"No worries, it's Sherwood."

—Liz Wight

**DIVE WITH
CONFIDENCE**

Sherwood's new octopus regulator – the first to be designed *specifically* as an octopus.

**35% smaller than
standard octopus.**

Reduced profile –
less drag.

Can clip to BC
or slip into a pocket.

Environmentally
friendly to coral reefs.

A Triax® case means
extra durability.

Ergonomically
designed for quick,
natural purging.

Low volume.

Easier to clear than
a standard octopus.

Performs in any
position –
even upside down.

**Tuned for exceptional
octopus performance.**

Reduces
chance of free-flow,
conserving air.

Unobtrusive to dive.

Provides comfortable
air flow on demand.

 **SHERWOOD
SCUBA**

Sherwood, Harsco Corporation
120 Church St.
Lockport, N.Y. 14094-2889
CIRCLE NO. 82 ON READER SERVICE CARD